



U.S. Department
of Transportation

**National Highway
Traffic Safety
Administration**

400 Seventh Street, S.W.
Washington, D.C. 20590

Dear Crash Data Researchers/Users:

Thank you for choosing crash data from the National Highway Traffic Safety Administration (NHTSA) for your research or other use. The information contained in this motor vehicle crash report is collected, maintained and distributed in accordance with Public Law 89-564. In accordance with this Public Law, NHTSA is required not to release any case information until completion of quality control procedures. These procedures include a review of the case material to extract all names, licenses and registration numbers, non-coded interview material, non-research related researcher comments in the margins, non-factual data, and the production number portion of the vehicle identification number (VIN).

If you requested NHTSA to query its database files in order to identify a specific crash, then that query was made using non-personal descriptors you provided for use in our search. This motor vehicle crash may have been identified from a data search and matches the general, non-personal descriptors you provided, but we cannot confirm that this is the specific crash report you requested.

If you have any questions with regard to the above procedures, please contact the Field Operations Branch, Crash Investigation Division, National Center for Statistics and Analysis at 202-366-4820. Again, please be advised that we cannot confirm that this is the case that you have specifically requested nor can we certify the information to be correct.

*** *** ***



AUTO SAFETY HOTLINE
(800) 424-9393
Wash. D.C. Area 366-0123

Case Vehicle (A): 1998 Ford
 Type: Escort, 2-door coupe
 Driver: 28-year-old female
 CDC: 11-LFEW-3

Vehicle (B): 1989 Plymouth
 Type: Reliant, 4-door sedan
 Driver: 84-year-old male
 CDC: 99-0000-0

SITUATION

(Slide 1) Case vehicle (A) was traveling west in the outside westbound lane of a straight section of a dry asphalt, three-lane roadway, with a speed limit of 72 kph (45 mph), and was approaching a four-leg intersection. Vehicle (B) was traveling east in the center eastbound left-turn lane of the same roadway. (Slide 2) As case vehicle (A) entered the intersection, the driver of vehicle (B) made a left turn across the path of case vehicle (A), and the left-front corner of vehicle (B) struck the left fender of case vehicle (A). The impact caused vehicle (B) to rotate counterclockwise before it came to rest facing north-northeast. Case vehicle (A) rotated clockwise before it came to rest facing north-northwest.

GENERAL VEHICLE DAMAGE AND ESTIMATED CRASH SEVERITIES

(Slide 3) Damage to case vehicle (A) was moderate. The direct-damage length of 160 cm began at the left-front corner and extended rearward along the left fender just past the A-pillar. The maximum crush was 32 cm and occurred at the corner of the left-front fender. The right wheelbase was reduced 2 cm, and the left wheelbase was reduced by 10 cm.

Using the WinSMASH accident-reconstruction program and (slides 4, 5, 6) c-values for case vehicle (A) and a PDOF of 340 degrees, the following impact severity was calculated:

Vehicle	Variable	Calculated Velocity Change - kph (mph)		
		Total	Longitudinal	Latitudinal
Case Vehicle (A)	EBS	22 (13)	-20 (-13)	7 (5)

DESCRIPTION OF DAMAGE TO CASE VEHICLE (A)

Exterior

(Slides 7, 8, 9) The front bumper, both headlight assemblies, the hood, the grille, the radiator, the left fender, and the left-front wheel strut were damaged. Both doors remained closed and

operational. The hood latch was damaged, but remained operational. Both hood hinges were deformed, but not separated. The rear edge of the hood was slightly elevated, but it did not contact the damaged windshield.

Interior

(Slides 10, 11, 12, 13, 14, 15) This vehicle was equipped with both steering-wheel and passenger frontal-impact airbags, which deployed during the left-side impact. (Slides 16, 17, 18, 19, 20, 21) No damage was noted to the airbag skins or module doors/flaps. (Slide 22) The steering-wheel rim was not deformed, and the steering-wheel column was not rotated. (Slides 23, 24, 25, 26, 27, 28, 29) The windshield was cracked due to contact by the passenger frontal-impact airbag cover door. No intrusions were noted.

OCCUPANT INJURIES AND KINEMATICS

The 5-ft, 3-in, 118-lb, 28-year-old female driver (slides 30, 31) was not wearing the available three-point belt, and the steering-wheel airbag deployed. She was reportedly driving with one hand on the steering wheel at the time of the crash, but was unsure as to the location of her hand on the steering-wheel rim. She also reportedly had positioned the tilt steering-wheel adjuster to a low position, and the seat to a mid-track position.

(Slide 32) On impact, the unbelted driver moved forward and to the left, into and around the airbag. (Slides 33, 34) She sustained a 2x1-cm subdural hematoma along the left posterior edge of the petrous bone and tentorium, a laceration to the left scalp, and was amnesic of the events of the accident. These injuries were probably from contact with the upper-left A-pillar, as evidenced by a crack in the A-pillar cover. She sustained a contusion to the right cheek, and an abrasion to the chin, probably by contact by the deploying airbag. (Slides 35, 36) She sustained a contusion to the left elbow and an abrasion to the left forearm, probably from contact with the interior surface of the driver door, as evidenced by a scuff mark, cloth transfers, and a palpable dent in the interior panel of the door. (Slide 37, 38, 39) She sustained a laceration and contusion to the medial aspect of the right knee from contact with the underside of the steering column, as evidenced by a crack in the plastic cover. She also sustained a contusion to the left knee and a contusion to the right proximal shin, probably from contact with the knee bolster.

The following table and (slide 40) attached drawing summarize the injuries sustained by the driver.

Occupant: Driver
 Restraints: 3-point belt not worn; airbag deployed

Age: 28 years
 Stature: 160 cm (5 ft, 3 in)

Gender: Female
 Mass: 54 kg (118 lb)

Injury Description	A.I.S.	Injury Source		
		Definite	Probable	Possible
Subdural hematoma, 2x1 cm along the left posterior edge of the petrous bone and tentorium, loss of consciousness (amnesic of events)	4		A-pillar	
Laceration, left scalp	1		A-pillar	
Contusion, right cheek	1		Airbag	
Abrasion, chin	1		Airbag	
Contusion, left elbow	1		Interior surface of door	
Abrasion, left forearm	1		Interior surface of door	
Contusion, right medial knee	1	Underside of steering column		
Laceration, right medial knee	1	Underside of steering column		
Contusion, left knee	1		Knee bolster	
Contusion, right shin	1		Knee bolster	
<u>Maximum A.I.S. Level</u>	<u>4</u>			
<u>Injury Severity Score</u>	<u>17</u>			

TIME

DATE OF COLLISION

 / /
m m d d y y y y

HOUR OF COLLISION

(24 HOUR CLOCK)

21 24

LOCATION

STATE:

STATE FIPS CODE

25 26

AREA

- (1) URBAN
(2) RURAL
(9) UNKNOWN

27

ENVIRONMENTAL CONDITIONS

LIMITED-ACCESS HIGHWAY

- (0) NO
(1) YES
(9) UNKNOWN

28

ROAD, TOTAL TRAFFIC LANES
(FOR CASE VEHICLE)

- (1) 1-LANE
(2) 2-LANES
(3) 3-LANES
(4) 4 OR MORE LANES
(5) DIVIDED, 4 OR MORE LANES
(6) PARKING LOT/DRIVEWAY
(7) OTHER:
(9) UNKNOWN

29

INTERSECTING RD, TOTAL LANES

CHOOSE FROM ABOVE LIST, OR

- (8) NOT APPLICABLE

30

TYPE OF ROAD SURFACE

- (1) ASPHALT
(2) CONCRETE
(3) GRAVEL
(4) MORE THAN ONE (CIRCLE EACH)
(7) OTHER:
(9) UNKNOWN

31

ROAD DEFECTS

- (0) NO
(1) YES
(9) UNKNOWN

32

ENVIRONMENTAL CONDITIONS

CONSTRUCTION ZONE

- (0) NO
(1) YES
(9) UNKNOWN

33

ROAD ALIGNMENT
VERTICAL PLANE

- (1) LEVEL
(2) CREST OF HILL
(3) SLOPE (2%)
(4) BOTTOM OF HILL
(9) UNKNOWN

34

ROAD ALIGNMENT
HORIZONTAL PLANE

- (1) STRAIGHT
(2) CURVE
(3) T - SHAPED
(4) Y - SHAPED
(7) OTHER:
(9) UNKNOWN

35

SURFACE COVERING

- (10) DRY

(21) WATER - DAMP
(22) WATER - WET
(23) WATER - PUDDLED
(29) WATER - AMOUNT UNKNOWN

(31) SNOW - LOOSE
(32) SNOW - PACKED
(39) SNOW - CONDITION UNKNOWN

(41) ICE
(51) SLUSH
(61) SPILLED GRAVEL
(71) OTHER:
(99) UNKNOWN

36 37

VISIBILITY LIMITATION
(FOR CASE VEHICLE)

- (0) NONE
(1) CLOUDY/DARK
(2) FOG
(3) SMOKE
(4) WINDSHIELD CONDITION
(5) GLARE
(6) RAIN
(7) OTHER:
(8) ICE/SNOW
(9) UNKNOWN

38

VISIBILITY OBSTRUCTION
(FOR CASE VEHICLE)

- (0) NONE
(1) BUILDING
(2) SIGN
(3) VEGETATION (E.G. BUSHES, SHRUBS)
(4) TREE
(5) HILL OR CURVE IN ROAD
(6) VEHICLE IN TRANSPORT
(7) OTHER:
(8) PARKED VEHICLE
(9) UNKNOWN

39

GENERAL INFORMATION GI-3

CRASH DETAILS
CASE VEHICLE AND OBJECT

- (0) NO
(1) YES
(9) UNKNOWN

①
47

CASE VEHICLE ROLLOVER

- (0) NO ROLLOVER
(1) YES, FIRST EVENT
(2) YES, SUBSEQUENT EVENT
(3) YES, SEQUENCE UNKNOWN
(9) UNKNOWN

①
48

**CASE VEHICLE RAN OFF ROADWAY
(BEFORE FIRST IMPACT)**

- (0) NO
(1) YES
(9) UNKNOWN

①
49

**MOVING CASE VEHICLE AND
CONTACTED MOVING VEHICLE**

- (0) NO
(1) YES
(9) UNKNOWN

1
50

**CASE VEHICLE AND
CONTACTED STOPPED VEHICLE**

- (0) NO
(1) YES
(9) UNKNOWN

①
51

**STOPPED CASE VEHICLE AND
CONTACTED VEHICLE**

- (0) NO
(1) YES
(9) UNKNOWN

①
52

**TOTAL NUMBER
OF VEHICLES CONTACTED
BY CASE VEHICLE IN CRASH**

- (8) 8 OR MORE
(9) UNKNOWN

1
53

**ANY FIRE IN THIS CRASH
(NOT JUST CASE VEHICLE)**

- (0) NO
(1) YES
(9) UNKNOWN

①
54

**HIGHEST POLICE INJURY
SEVERITY CODE IN CRASH
(NOT JUST CASE VEHICLE)**

- (0) O - NO INJURY
(1) C - POSSIBLE INJURY
(2) B - NON-INCAPACITATING INJURY
(3) A - INCAPACITATING INJURY
(4) K - FATAL
(5) INJURED, SEVERITY UNKNOWN
(6) DIED PRIOR TO ACCIDENT
(7) NON-FATAL INJURY
SEVERITY UNKNOWN
(9) UNKNOWN

2
55

DRIVER IMPAIRMENT
**DRIVER ALCOHOL INVOLVEMENT
(CASE VEHICLE)**

- (0) NONE
(1) YES
(9) UNKNOWN/NOT REPORTED/
NO DRIVER

①
56

**DRIVER ALCOHOL BAC
(CASE VEHICLE)**

- (80) NO TEST
(90) CHEMICAL TESTS, NO RESULTS
(95) AUTOPSY, NO RESULTS
(99) UNKNOWN

8 0
57 58

**WAS THERE MENTION OF DRIVER
IMPAIRMENT FOR CASE VEHICLE?**

- (0) NO
(1) YES
(9) UNKNOWN

①
59

LIST IMPAIRMENTS MENTIONED:

POST - CRASH DETAIL
**MANNER CASE VEHICLE
LEFT SCENE**

- (1) DRIVEN
(2) TOWED DUE TO DAMAGE
(3) TOWED, NOT DUE TO DAMAGE
(4) TOWED, REASON UNKNOWN
(9) UNKNOWN

2
60

ACCIDENT SCHEMATIC

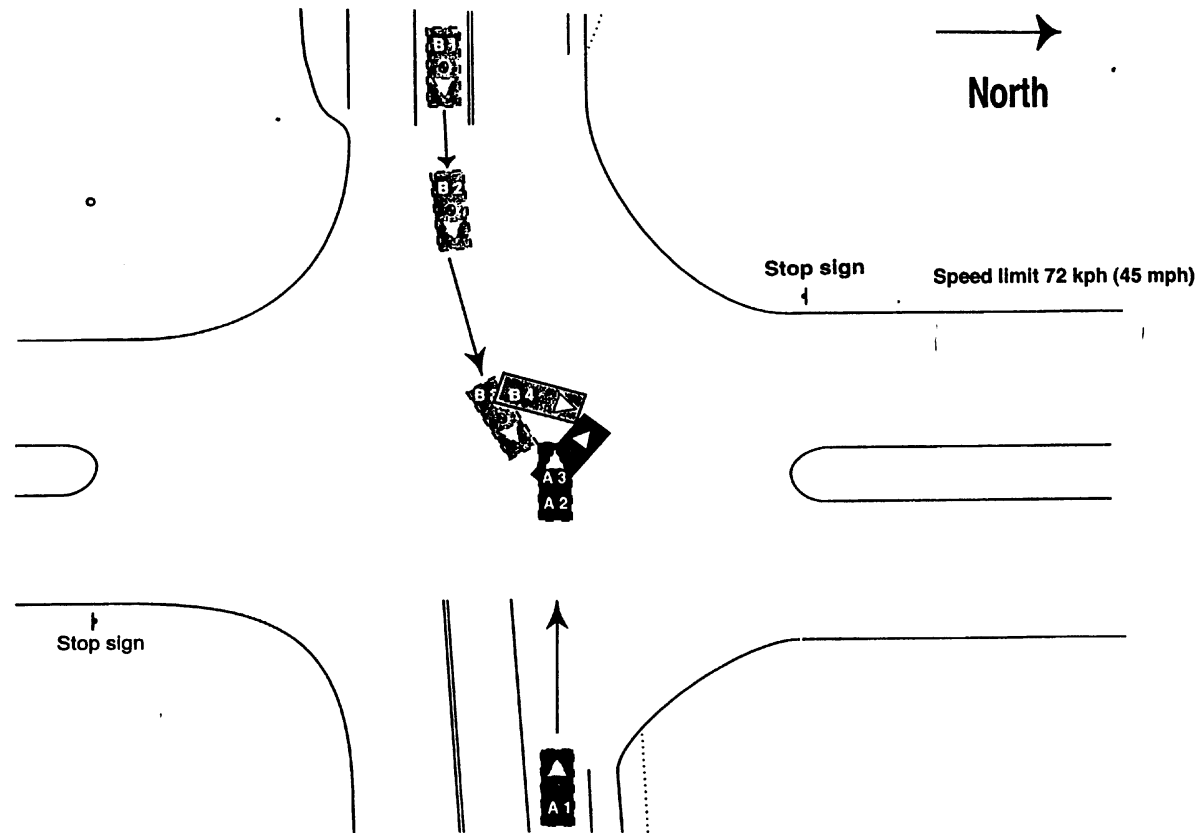
ACCIDENT DESCRIPTION: Case vehicle (A) was traveling west in the westbound lane of a 3-lane roadway and was approaching a 4-leg intersection. Vehicle (B) was traveling east in the center eastbound left-turn lane of the same roadway. As case vehicle (A) entered the intersection, the driver of vehicle (B) made a left turn across the path of case vehicle (A), and struck case vehicle (A) on the left fender. The impact caused vehicle (B) to enter a counter clockwise rotation before it came to rest facing north-north east. Case vehicle (A) also rotated in a clockwise direction before it came to rest facing north-northwest.

CASE VEHICLE (A): 1998 Ford Escort
 OTHER VEHICLE (B): 1989 Plymouth Reliant
 THIRD VEHICLE (C): N/A

614



NORTH



Duplicate columns 1-8
from the previous card.Module 0 V Format 0 4
9 10 11 12

OTHER VEHICLE OV-1

MAKE: Plymouth
MODEL: Reliant

CARGO: _____

VIN 1 P 3 B K 4 6 D I K C 0 0 0 0 0
13 29

MANUFAC/BODY CODE

13427
30 34

MAKE/MODEL CODE

0529
38

MODEL YEAR

1989
39 42

VEHICLE MASS (kg)

0 0 1 1 1
43 48IF SEPARATE REPORT WAS MADE,
GIVE VEHICLE NUMBER0NUMBER OF OCCUPANTS
(ENTER 9'S IF UNKNOWN)01
51

TRAVELING SPEED (km/h)

999
54

- (000) PARKED OR STOPPED
 (995) JUST STARTING UP
 (996) BACKING UP
 (997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
 (998) SPEED EXCESSIVE (BUT UNKNOWN)
 (999) UNKNOWN

HIGHEST POLICE INJURY SEVERITY
CODE FOR THIS VEHICLE

- (0) O - NO INJURY
 (1) C - POSSIBLE INJURY
 (2) B - NON-INCAPACITATING INJURY
 (3) A - INCAPACITATING INJURY
 (4) K - FATAL
 (5) INJURED, SEVERITY UNKNOWN
 (6) DIED PRIOR TO ACCIDENT
 (7) NON-FATAL INJURY
 SEVERITY UNKNOWN
 (8) UNOCCUPIED VEHICLE
 (NOT APPLICABLE)
 (9) UNKNOWN

0
55

VEHICLE TYPE

PASSENGER VEHICLE

- (02) LARGE
 (03) LIMOUSINE
 (17) PICKUP CAR
 (20) UNKNOWN PASSENGER VEHICLE BODY
 (24) SUB-MINI
 (25) MINI
 (26) SUB-COMPACT
 (27) COMPACT
 (28) INTERMEDIATE
 (29) FULL

27
56 57

MULTIPURPOSE PASSENGER VEHICLE

- (14) SMALL UTILITY (WHEELBASE LESS THAN 107",
E.G. JEEP, BRONCO)
 (15) LARGE UTILITY (WHEELBASE MORE THAN 107",
E.G. PANEL TRUCK, SUBURBAN)
 (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
 (17) PICKUP CAR WITH CANOPY/SHELL COVER
 (21) MOTOR HOME
 (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
 (23) PICKUP CAR WITH SLIDE-IN CAMPER
 (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) VAN
 (12) PICKUP TRUCK
 (13) UNKNOWN LIGHT TRUCK
 (15) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
 (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
 (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
 (30) UNKNOWN TRUCK TYPE
 (31) CHASSIS-MOUNTED CAMPER
 (33) DELIVERY VAN (WALK-IN)
 (34) STRAIGHT TRUCK
 (35) TRUCK-TRACTOR (BOBTAIL)
 (36) CHASSIS-CAB
 (37) UNKNOWN HEAVY TRUCK
 (38) TRACTOR & SEMI-TRAILER (SEMI)
 (39) TRUCK (OR SEMI) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
 (41) SCHOOL BUS
 (42) INTERCITY BUS (BETWEEN CITIES)
 (43) TRANSIT BUS (INTRACITY)
 (44) STREETCAR (ON TRACKS)

- (68) TRAIN (CARS)
 (69) LOCOMOTIVE (ENGINE, SWITCHER)

(99) UNKNOWN

WHEELBASE (cm)
(999) UNKNOWN255
58 59 60

Duplicate columns 1-8
from the previous card.

Module 0 V Format 0 2
9 10 11 12

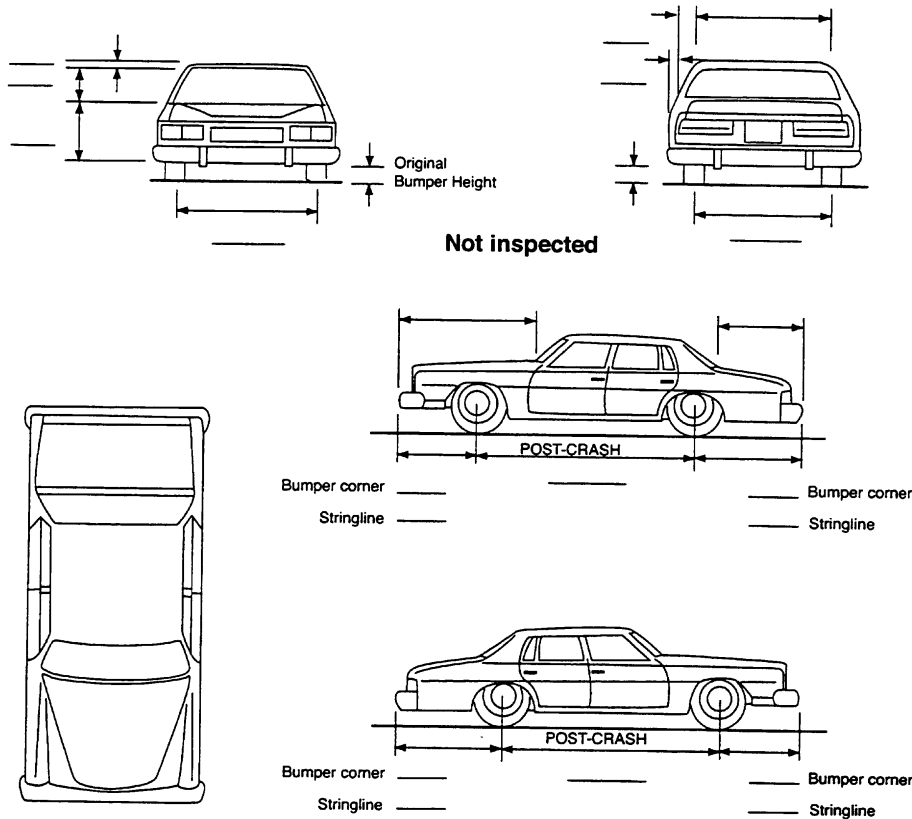
OTHER VEHICLE OV-2

ORIGINAL SPECIFICATIONS

Wheelbase	<u>255</u> cm	Front Overhang	<u>099</u> cm
Curb Weight	<u>1111</u> kg	Rear Overhang	<u>100</u> cm
Average Track Width	<u>146</u> cm	Undeformed End Width (UEW)	<u>150</u> cm
Overall Length	<u>454</u> cm	Engine Displacement	<u>2.2</u> L
Overall Width (OAW)	<u>173</u> cm	Engine: # of Cylinders	<u>04</u>

VEHICLE DAMAGE

MEASUREMENTS IN CENTIMETERS



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

Front-End Overlap (Percent) = $\frac{DDL}{UEW}$

Vehicle Overlap (Percent) = $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$

999 cm

99 %

99 %

Duplicate columns 1-8
from the previous card.

Module V D Format 0 4
9 10 11 12

VEHICLE DESCRIPTION VD-1

MAKE: Ford

CARGO: None

MODEL: Escort

VIN 3 F A K P 1 1 3 7 W R 0 0 0 0 0
13 29

MANUFAC/BODY CODE 12126
30 34

MAKE/MODEL CODE 0219
38

MODEL YEAR 1998
39 42

VEHICLE MASS (kg) 001124
43 48

ODOMETER (km)
(ENTER 9'S IF UNKNOWN) 034006
(ENTER 8'S IF ELECTRONIC) 49 54

NUMBER OF OCCUPANTS
(ENTER 9'S IF UNKNOWN) 01
56

TRAVELING SPEED (km/h) 999
59

(000) PARKED OR STOPPED
(995) JUST STARTING UP
(996) BACKING UP
(997) SPEED NOT EXCESSIVE (BUT UNKNOWN)
(998) SPEED EXCESSIVE (BUT UNKNOWN)
(999) UNKNOWN

VEHICLE TYPE

PASSENGER VEHICLE

- (11) 2-DOOR HARDTOP (NO UPPER B-PILLAR)
(12) 2-DOOR SEDAN OR COUPE
(ANY UPPER B-PILLAR)
(13) 4-DOOR HARDTOP
(14) 4-DOOR SEDAN
(15) STATION WAGON
(16) CONVERTIBLE
(18) OTHER PASS. VEH. :
(19) PASSENGER VEHICLE, TYPE UNKNOWN

MULTIPURPOSE PASSENGER VEHICLE

- (21) SMALL UTILITY (E.G. JEEP, SCOUT, BRONCO)
(22) LARGE UTILITY (E.G. PANEL TRUCK, SUBURBAN)
(23) VAN, SIZE UNKNOWN
(24) VAN, SMALL (MINI)
(25) VAN, LARGE
(29) MPV, TYPE UNKNOWN
(30) MOTOR HOME

TRUCK

- (31) PICKUP TRUCK, UNKNOWN
(32) PICKUP TRUCK, SMALL (DOWNSIZED)
(33) PICKUP TRUCK, LARGE
(99) UNKNOWN

STOLEN VEHICLE

- (0) NO
(1) YES
(8) NOT COLLECTED
(9) UNKNOWN

8
62

BODY STRUCTURE

- (1) BODY & FRAME
(2) UNITIZED
(3) INTEGRAL-STUB FRAME
(4) BODY & PLATFORM FRAME
(E.G. VW BUG)
(5) PARTIALLY UNITIZED
(7) OTHER:
(9) UNKNOWN

2
63

TRANSMISSION

- (0) NONE
(1) AUTOMATIC
(2) MANUAL
(9) UNKNOWN

2
64

LOCATION OF TRANSMISSION
SELECTOR LEVER

- (1) FLOOR
(2) CONSOLE
(3) COLUMN
(7) OTHER:
(9) UNKNOWN

2
65

STEERING

- (1) POWER
(2) MANUAL
(9) UNKNOWN

1
66

BRAKES

- (1) POWER
(2) MANUAL
(9) UNKNOWN

1
67

TYPE OF BRAKES

- (1) DRUM, ALL WHEELS
- (2) DISC, FRONT WHEELS
- (3) DISC, ALL WHEELS
- (9) UNKNOWN

1
68

WHEELBASE (cm)
(999) Unknown

250
76 77 78

BRAKE ANTI-LOCK DEVICE

- (0) NONE INSTALLED
- (1) TWO-WHEEL
- (2) FOUR-WHEEL
- (7) EQUIPPED, UNKNOWN WHEELS
- (9) UNKNOWN

0
69

PLASTIC ANTI-LACERATIVE
INNER LAYER GLASS EQUIPPED

- (0) NONE
- (1) WINDSHIELD
- (2) WINDSHIELD AND SIDE
- (7) OTHER
- (9) UNKNOWN

0
79

AIR CONDITIONING IN VEHICLE

- (0) NO
- (1) YES
- (8) NOT COLLECTED
- (9) UNKNOWN

8
70

TYPE OF DRIVE

- (1) REAR WHEEL
- (2) FRONT WHEEL
- (3) FOUR WHEEL
- (4) ALL WHEEL DRIVE
- (9) UNKNOWN

2
71

FIELD INVESTIGATOR INSTRUCTIONS:

1. INDICATE CRUSHED AREAS BY OUT-LINING NEW PERIMETER OF VEHICLE AND SHADING THE DAMAGED AREAS ON THE LARGE SKETCH ON PAGE VD-3. USE AS MANY SKETCHES AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.
2. ENTER THE DIMENSIONS ON THE SKETCH(ES) MEASURED TO THE POINT OF MAXIMUM PENETRATION BY THE OBJECT(S) CONTACTED. USE THE EXAMPLES BELOW AS A GUIDE.
3. ENTER THE THREE DIMENSIONS TO THE CENTER OF THE WHEELS (WHEELBASE, FRONT AND REAR OVERHANGS) ON BOTH SIDES OF THE CAR.
4. ADD OTHER DIMENSIONS AS NECESSARY TO COMPLETELY DESCRIBE THE DAMAGE.

EXAMPLES:

DUAL REAR WHEELS

- (0) NO
- (1) YES
- (9) UNKNOWN

0
72

ORIGINAL TYPE
OF RESTRAINT SYSTEM

- (1) ACTIVE BELT
- (2) PASSIVE BELT
- (3) AIRBAG
- (4) KNEE BOLSTERS
- (7) OTHER: _____
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

3
73

EQUIPPED WITH ROLL BAR

- (0) NO
- (1) YES
- (9) UNKNOWN

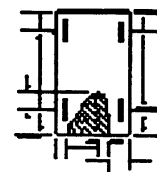
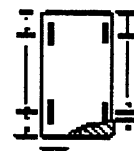
0
74

TYPE OF ROOF

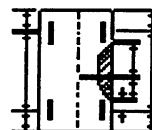
- (0) NONE
- (1) SOLID
- (2) T-TOP CLOSED
- (3) T-TOP OPEN
- (4) SUN ROOF CLOSED
- (5) SUN ROOF OPEN
- (6) CONVERTIBLE CLOSED
- (7) CONVERTIBLE OPEN
- (8) OTHER: _____
- (9) UNKNOWN

1
75

FRONT OR REAR



SIDE



ROOF (REFERENCE TO
TOP OF DOOR SILL
OR WINDOW SILL)



Duplicate columns 1-8
from the previous card.

Module V 9 10 Format 0 2
11 12

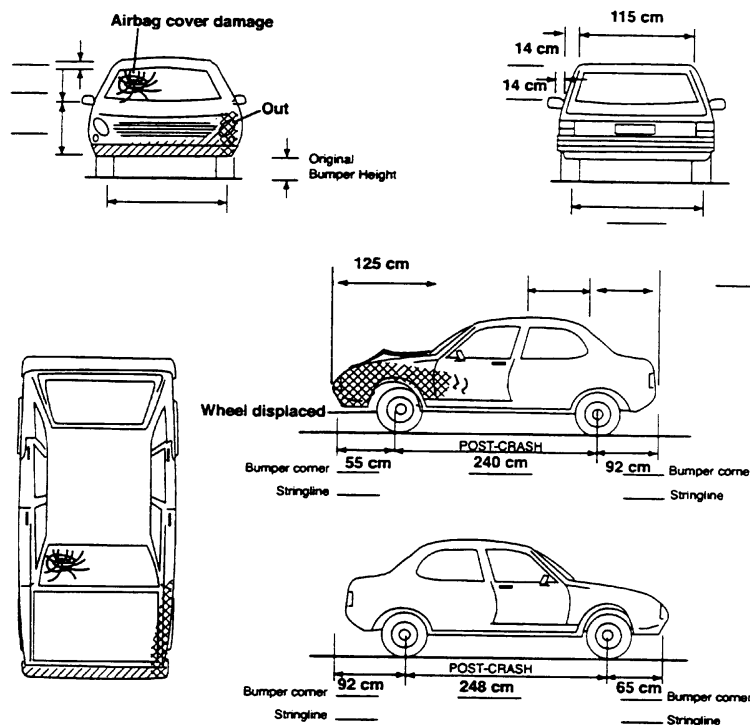
VEHICLE DESCRIPTION VD-3

ORIGINAL SPECIFICATIONS

Wheelbase	<u>250</u> cm	Front Overhang	<u>096</u> cm
Curb Weight	<u>1124</u> kg	Rear Overhang	<u>099</u> cm
Average Track Width	<u>144</u> cm	Undeformed End Width (UEW)	<u>150</u> cm
Overall Length	<u>445</u> cm	Engine Displacement	<u>2.0</u> L
Overall Width (OAW)	<u>171</u> cm	Engine: # of Cylinders	<u>04</u>

VEHICLE DAMAGE

MEASUREMENTS IN CENTIMETERS



FRONTAL CRASH OVERLAP

Round up for .5. 98 = 98% or more
Enter % overlap or "99" for missing or N/A.

Direct Damage Length (DDL)

Front-End Overlap (Percent) = $\frac{DDL}{UEW}$

Vehicle Overlap (Percent) = $\frac{DDL + 1/2 (OAW - UEW)}{OAW}$

999 cm
35 37
99 %
38 39
99 %
40 41

Duplicate columns 1-8
from the previous card.

Module D A Format 0 2
9 10 11 12

DAMAGE DA-1

PRIMARY	CASE VEHICLE PRIMARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>1</u> 13	
IMPACT SPEED (km/h)	<u>999</u> 14 15 16	<u>999</u> 35 36 37
ESTIMATED BY	<u>1</u> 17	<u>1</u> 38
CRUSH (cm)	<u>032</u> 18 19 20	<u>999</u> 39 40 41
CDC #1	<u>11LF EW.3</u> 21 27	<u>99.00000.0</u> 42 48
CDC #2	<u>98.00000.0</u> 28 34	<u>98.00000.0</u> 49 55

Duplicate columns 1-8
from the previous card.

Module D A Format 0 3
9 10 11 12

SECONDARY	CASE VEHICLE SECONDARY CDC	CONTACTED VEHICLE ASSOCIATED CDC
EVENT NUMBER	<u>8</u> 13	
IMPACT SPEED (km/h)	<u> </u> 14 15 16	<u> </u> 35 36 37
ESTIMATED BY	<u> </u> 17	<u> </u> 38
CRUSH (cm)	<u> </u> 18 19 20	<u> </u> 39 40 41
CDC #1	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> 21 27	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> 42 48
CDC #2	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> 28 34	<u> </u> <u> </u> <u> </u> <u> </u> <u> </u> <u> </u> 49 55

CODES

EVENT NUMBER

(8) NOT APPLICABLE
(9) UNKNOWN

IMPACT SPEED

(998) NOT APPLICABLE
(999) UNKNOWN

IMPACT SPEED ESTIMATOR

(1) INVESTIGATOR
(2) DRIVER
(3) POLICE
(4) "CRASH" PROGRAM
(5) OTHER COMPUTER PROGRAM
SPECIFY: _____
(7) OTHER: _____
(8) NOT APPLICABLE
(NO VEHICLE/NO IMPACT)

CRUSH

(998) NOT APPLICABLE
(NO VEHICLE/DAMAGE)
(999) UNKNOWN

CDC

(9800000) NOT APPLICABLE
(9900000) UNKNOWN

Duplicate columns 1-8
from the previous card.

Module D A Format 0 1
9 10 11 12

DAMAGE DA-2

MAXIMUM SHEET METAL CRUSH

(cm) (999) UNKNOWN

FRONT 000
13 15

RIGHT SIDE 000
16 18

REAR 000
19 21

LEFT SIDE 0 3 2
22 24

ROOF 000
25 27

OTHER 000
28 30

CHRONOLOGICAL SEQUENCE OF DAMAGE/INJURY PRODUCING CRASH EVENTS FOR CASE VEHICLE

NOTE: IF CHRONOLOGICAL ORDER
IS UNKNOWN, EVENT
ORDER IS OPTIONAL.

DO YOU KNOW THIS TABLE
TO BE IN CHRONOLOGICAL ORDER?

(0) NO
(1) YES

1
31

EVENT NUMBER	IMPACT LOCATION (1) ON ROADWAY (2) SHOULDER/MEDIAN/GORE (3) ON ROADSIDE (4) OUTSIDE ROADSIDE RIGHT-OF-WAY (5) OTHER (6) OFF ROADWAY, LOC. UNK. (9) UNKNOWN	IMPACT CONFIGURATION FOR CODES, SEE TABLE ON PAGE DA-3.	OBJECT/VEHICLE CONTACTED FOR CODES, SEE TABLE ON PAGE DA-4.
# 1	<u>1</u> 32	<u>22</u> 34	<u>27</u> 36
#2	<u> </u> 37	<u> </u> 39	<u> </u> 41
#3	<u> </u> 42	<u> </u> 44	<u> </u> 46
#4	<u> </u> 47	<u> </u> 49	<u> </u> 51
#5	<u> </u> 52	<u> </u> 54	<u> </u> 56
#6	<u> </u> 57	<u> </u> 59	<u> </u> 61
#7	<u> </u> 62	<u> </u> 64	<u> </u> 66

CODES FOR
IMPACT CONFIGURATIONFRONT OF CASE VEHICLE

- (11) AND FRONT OF CONTACTED VEHICLE
- (13) AND SIDE OF CONTACTED VEHICLE
- (14) AND REAR OF CONTACTED VEHICLE
- (16) ENDSWIPED BY CONTACTED VEHICLE
- (17) AND OBJECT
- (19) AND UNKNOWN OTHER VEHICLE CONFIGURATION

LEFT SIDE OF CASE VEHICLE

- (21) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (22) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (23) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (24) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (25) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (26) SIDESWIPED BY CONTACTED VEHICLE
- (27) AND OBJECT
- (29) AND UNKNOWN OTHER VEHICLE CONFIGURATION

REAR OF CASE VEHICLE

- (31) AND FRONT OF CONTACTED VEHICLE
- (33) AND SIDE OF CONTACTED VEHICLE
- (34) AND REAR OF CONTACTED VEHICLE
- (36) ENDSWIPED BY CONTACTED VEHICLE
- (37) AND OBJECT
- (39) AND UNKNOWN OTHER VEHICLE CONFIGURATION

RIGHT SIDE OF CASE VEHICLE

- (41) AND FRONT OF CONTACTED VEHICLE (TYPE T)
- (42) AND FRONT OF CONTACTED VEHICLE (TYPE L)
- (43) AND SIDE OF CONTACTED VEHICLE (NOT SIDESWIPE)
- (44) AND REAR OF CONTACTED VEHICLE (TYPE T)
- (45) AND REAR OF CONTACTED VEHICLE (TYPE L)
- (46) SIDESWIPED BY CONTACTED VEHICLE
- (47) AND OBJECT
- (49) AND UNKNOWN OTHER VEHICLE CONFIGURATION

OTHER

- (57) VEHICLE TO OBJECT
- (58) VEHICLE TO VEHICLE
- (59) VEHICLE TO VEHICLE, CONFIGURATION UNKNOWN

ROLLOVER

- (61) LESS THAN 360°
- (62) 360° OR MORE
- (69) DETAILS UNKNOWN

UNKNOWN

- (99) IMPACT TYPE UNKNOWN

CODES FOR VEHICLE/OBJECT CONTACTED

VEHICLE/OBJECT GROUPS

- (00) NO OBJECT
- (01) - (39) PASSENGER VEHICLE & TRUCK
- (40) - (69) OTHER VEHICLE
- (70) - (76) PEDESTRIAN & ON-ROADWAY OBJECT
- (77) - (97) OFF-ROADWAY OBJECT

- (98) OTHER (*DESCRIBE*)
- (99) UNKNOWN

PASSENGER VEHICLE

- (02) LARGE
- (03) LIMOUSINE
- (17) PICKUP
- (20) UNKNOWN PASSENGER VEHICLE BODY
- (24) SUB-MINI
- (25) MINI
- (26) SUB-COMPACT
- (27) COMPACT
- (28) INTERMEDIATE
- (29) FULL

SIZEWHEELBASE

SUB-MINI	< 2286 mm (< 90")
MINI	2286 - 2412 mm (90" - 94.9")
SUB-COMPACT	2413 - 2539 mm (95" - 99.9")
COMPACT	2540 - 2666 mm (100" - 104.9")
INTERMEDIATE	2667 - 2793 mm (105" - 109.9")
FULL	2794 - 2920 mm (110" - 114.9")
LARGE	2921 - 3174 mm (115" - 124.9")
LIMOUSINE	> 3175 mm (> 125")

MULTIPURPOSE PASSENGER VEHICLE

- (11) SMALL VAN (*MINI*)
- (12) PICKUP
- (14) SMALL UTILITY (*WHEELBASE LESS THAN 107", E.G. JEEP, BRONCO*)
- (15) LARGE UTILITY (*WHEELBASE MORE THAN 107", E.G. PANEL TRUCK, SUBURBAN*)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (17) PICKUP CAR WITH CANOPY/SHELL COVER
- (21) MOTOR HOME
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (23) PICKUP CAR WITH SLIDE-IN CAMPER
- (31) CHASSIS-MOUNTED CAMPER

TRUCK

- (11) SMALL VAN (*E.G. ECONOLINE*)
- (12) PICKUP TRUCK
- (13) UNKNOWN LIGHT TRUCK
- (15) LARGE UTILITY (*E.G. PANEL TRUCK, SUBURBAN*)
- (16) PICKUP TRUCK WITH CANOPY/SHELL COVER
- (22) PICKUP TRUCK WITH SLIDE-IN CAMPER
- (30) UNKNOWN TRUCK TYPE
- (31) CHASSIS-MOUNTED CAMPER
- (33) DELIVERY VAN (*WALK-IN*)
- (34) STRAIGHT TRUCK
- (35) TRUCK-TRACTOR (*BOBTAIL*)
- (36) CHASSIS-CAB
- (37) UNKNOWN HEAVY TRUCK
- (38) TRACTOR & SEMI-TRAILER (*SEMI*)
- (39) TRUCK (*OR SEMI*) & FULL TRAILER(S)

BUS

- (40) UNKNOWN BUS TYPE
- (41) SCHOOL BUS
- (42) INTERCITY BUS (*BETWEEN CITIES*)
- (43) TRANSIT BUS (*INTRACITY*)
- (44) STREETCAR (*ON TRACKS*)

MOTORCYCLE

- (50) UNKNOWN MOTORCYCLE TYPE
- (51) 1 - 75 cc
- (52) 76 - 125 cc
- (53) 126 - 250 cc
- (54) 251 - 500 cc
- (55) 501 - 750 cc
- (56) 751 cc +
- (57) 3-WHEELS (*OR WITH SIDECAR*)

SPECIAL PURPOSE VEHICLE

- (60) UNKNOWN/OTHER SPECIAL VEHICLE (*DESCRIBE*)
- (61) SNOWMOBILE
- (62) ATV (*ALL TERRAIN VEHICLE*)
- (63) AMPHIBIOUS VEHICLE
- (64) FARM VEHICLE
- (65) CONSTRUCTION VEHICLE
- (66) TRAILER, PRIVATE (*CAMPER*)
- (67) TRAILER, COMMERCIAL (*CARGO*)
- (68) TRAIN (*CARS*)
- (69) LOCOMOTIVE (*ENGINE, SWITCHER*)

OBJECT

- (70) PEDESTRIAN
- (71) BICYCLIST, OTHER PEDALCYCLIST
- (72) PEDESTRIAN CONVEYANCE (*E.G. PERSON RIDING ANIMAL, CART*)
- (73) LARGE ANIMAL
- (74) FALLEN OBJECT (*E.G. OBJECT DISLODGED FROM OTHER VEHICLE, FALLEN TREE, ROCKS*)
- (75) ROCKS
- (76) CONSTRUCTION EQUIPMENT (*EXCLUDING (65)*)
- (77) SIGN POST, UTILITY POLE, TREE
- (78) DITCH
- (79) EMBANKMENT, SNOWBANK, RR TRACKS RR X
- (80) GROUND (*ROLLOVER ONLY*)
- (81) CURB (*DAMAGE PRODUCING IMPACTS ONLY*)
- (82) CULVERT
- (83) FENCE
- (84) HYDRANT, SHORT POST, STUMP
- (85) SMALL POST/TREE, RURAL MAIL BOX, MILE MARKER, DELINEATOR
- (86) BUILDING
- (87) PIER, PILLAR, BRIDGE SUPPORT
- (88) ABUTMENT, RETAINING WALL
- (89) BRIDGE RAIL
- (90) GUARD RAIL, LEADING SECTION
- (91) GUARD RAIL, MIDDLE OR UNKNOWN
- (92) GUARD RAIL, TRAILING SECTION
- (93) GUARD POST (*TIMBER, METAL, CONCRETE*)
- (94) CABLE, FENCE BARRIER
- (95) CONCRETE BARRIER (*MEDIAN*)
- (96) IMPACT ATTENUATOR
- (97) BREAKAWAY FEATURES

Duplicate columns 1-8
from the previous card.

Module C R Format 0 1
9 10 11 12

CRASH RECONSTRUCTION CR-1

for ΔV

	CASE VEHICLE PRIMARY IMPACT			CASE VEHICLE SECONDARY IMPACT		
	CASE VEHICLE	CONTACTED VEHICLE		CASE VEHICLE	CONTACTED VEHICLE	
EVENT NUMBER	1 13					
ΔV (km/h) TOTAL	999 14 15 16	999 32 33 34				
LONGITUDINAL*	9999 17 20	9999 35 38				
LATERAL*	9999 21 24	9999 39 42				
*NOTE: THESE ΔV COMPONENTS MUST INCLUDE SIGN.						
EXAMPLES: 10 km/h = + 0 1 0 -7 km/h = - 0 0 7						
ENERGY DISSIPATED BY CRUSH (kj)	9999 25 28	9999 43 46				
RECONSTRUCTION						
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	12 29 30					
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL						
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL						
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL						
NOT RECONSTRUCTED BECAUSE						
(02) INSUFFICIENT DATA						
(03) EXCESSIVE UNDERRIDE/ OVERRIDE						
(04) ROLLOVER						
(05) VAULTING						
(06) OTHER TRAVEL IN MORE THAN ONE PLANE						
(07) NON-HORIZONTAL FORCE						
(08) SIDESWIPE-TYPE DAMAGE						
(09) YIELDING OBJECT						
(10) OTHER: _____						
(11) AT LEAST ONE VEHICLE BEYOND SCOPE						
(12) OTHER VEHICLE NOT INSPECTED						
MODE						
(1) CDC ONLY						
(2) CDC & DETAILED DAMAGE						
(3) TRAJECTORY & CDC						
(4) TRAJECTORY & CDC & DETAILED DAMAGE						
(5) NOT RECONSTRUCTED						
COMPUTER PROGRAM SPECIFY: _____						

Duplicate columns 1-8
from the previous card.

Module C R Format 0 2
9 10 11 12

CRASH RECONSTRUCTION CR-2

for EBS

	CASE VEHICLE PRIMARY IMPACT				CASE VEHICLE SECONDARY IMPACT			
	CASE VEHICLE	CONTACTED VEHICLE	CASE VEHICLE	CONTACTED VEHICLE				
EVENT NUMBER	<u>1</u> 13		<u>47</u>					
EBS (km/h) TOTAL	<u>022</u> 14 15 16	<u>999</u> 32 33 34	<u> </u> 48 49 50	<u> </u> 66 67 68				
LONGITUDINAL*	<u>13.0</u> <u>- 020</u> 17 20	<u>9999</u> 35 38	<u> </u> 51 54	<u> </u> 69 72				
LATERAL*	<u>+ 007</u> 21 24 <u>+ 4.6</u>	<u>9999</u> 39 42	<u> </u> 55 58	<u> </u> 73 76				
*NOTE: THESE EBS COMPONENTS MUST INCLUDE SIGN.								
EXAMPLES: 10 km/h = <u>+ 010</u> -7 km/h = <u>- 007</u>								
ENERGY DISSIPATED BY CRUSH (Kj)	<u>0014</u> 25 28	<u>9999</u> 43 46	<u> </u> 59 62	<u> </u> 77 80				
RECONSTRUCTION	<u>14375</u>							
(01) RECONSTRUCTED, UNKNOWN CONFIDENCE LEVEL	<u>22</u> 29 30		<u> </u> 63 64					
(21) RECONSTRUCTED, LOW CONFIDENCE LEVEL								
(22) RECONSTRUCTED, MODERATE CONFIDENCE LEVEL								
(23) RECONSTRUCTED, HIGH CONFIDENCE LEVEL								
NOT RECONSTRUCTED BECAUSE								
(02) INSUFFICIENT DATA								
(03) EXCESSIVE UNDERRIDE/ OVERRIDE								
(04) ROLLOVER								
(05) VAULTING								
(06) OTHER TRAVEL IN MORE THAN ONE PLANE								
(07) NON-HORIZONTAL FORCE								
(08) SIDESWIPE-TYPE DAMAGE								
(09) YIELDING OBJECT								
(10) OTHER: _____								
(11) AT LEAST ONE VEHICLE BEYOND SCOPE								
(12) OTHER VEHICLE NOT INSPECTED								
MODE	<u>2</u> 31		<u> </u> 65					
(1) CDC ONLY								
(2) CDC & DETAILED DAMAGE								
(3) TRAJECTORY & CDC								
(4) TRAJECTORY & CDC & DETAILED DAMAGE								
(5) NOT RECONSTRUCTED								
COMPUTER PROGRAM SPECIFY: <u>WINSMASH</u>								

Duplicate columns 1-8
from the previous card.

Module C R Format 0 3
9 10 11 12

CRASH RECONSTRUCTION CR-3

- NOTES:
1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
 2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
 3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
 4. USE THE CENTER OF THE WHEELBASE AS THE CG.

CASE VEHICLE

LOCATOR

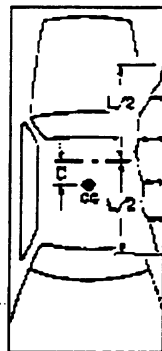
Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L
1	Begins +203cm from ctr of rear axle	Begins +201 from rear axle

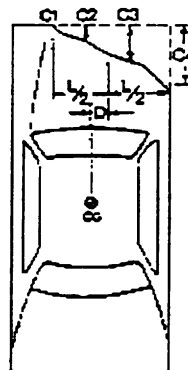


PLANE:

- (1) Bumper
- (2) Above Bumper
- (3) Sill
- (4) Above Sill
- (5) Other _____
- (9) Unknown



C6
C5
C4
C3
C2
C1



DL N/A
UDL N/A

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card).

Duplicate columns 1 - 12 for each completed line.

Specific Impact Number	Plane of Impact C-Measur.	Direct Damage		Field L	C ₁	C ₂	C ₃	C ₄	C ₅	C ₆	±D
		Length (DDL)	Max Crush								
1	4	160 @ bumper level		116	5	8	15	19	26	37	+135
-	-	Stringline adj			-5	-5	-5	-5	-5	-5	
					0	3	10	14	26	32	
		Body taper			-0	-0	-0	-0	-0	-5	
1	4	160	032	116	000	003	010	014	026	032	+135
13	14	15 16 17	18 19 20	21 22 23	24 25 26	27 28 29	30 31 32	33 34 35	36 37 38	39 40 41	42 43 44 45
2											

Stringline set 90cm from ctr of vehicle

- NOTES:
1. ENTER CRASH RECONSTRUCTION DAMAGE MEASUREMENTS IN CENTIMETERS.
 2. MEASURE C_1 TO C_6 FROM DRIVER TO PASSENGER SIDE IN FRONT OR REAR IMPACTS, REAR TO FRONT IN SIDE IMPACTS.
 3. D IS POSITIVE IF MEASURED TO A POINT FORWARD OF OR TO THE RIGHT OF THE CG.
 4. USE THE CENTER OF THE WHEELBASE AS THE CG.

OTHER VEHICLE

LOCATOR

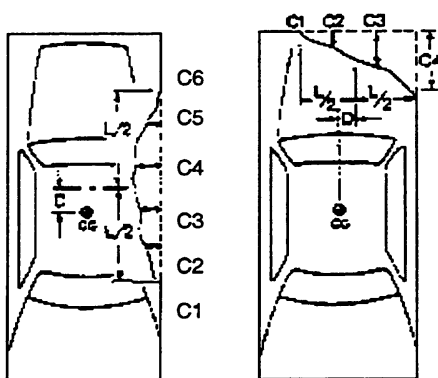
Locate the end of the damage with respect to the vehicle longitudinal center line, or an undamaged axle for side impacts.

Specific Impact No.	Location of Direct Damage	Location of Field L

Not
Inspected

PLANE:

- (1) Bumper
(2) Above Bumper
(3) Sill
(4) Above Sill
(5) Other _____
(9) Unknown



DL

UDL

CRUSH PROFILE IN CENTIMETERS

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

[illegible]

Duplicate columns 1-8
from the previous card.

Module W T Format 0 1
9 10 11 12

WHEELS AND TIRES

WT-1

WHEELS--DAMAGED

- (0) NO
(1) YES
(9) UNKNOWN

LF

0
13

RF

0

RR

0

LR

0
16

SIZE (NOT DOT CODE. IF UNKNOWN, USE 9'S)

LF

P18560R15
25

RF

P18560R15
35

RR

P18560R15
45

LR

P18560R15
55

TIRE TREAD TYPE

- (1) REGULAR
(2) SNOW
(3) SLICKS
(4) ALL WEATHER (MS)
(7) OTHER: _____
(9) UNKNOWN

LF

4
17

RF

4

RR

4

LR

4
20

CARCASS CONSTRUCTION

- (1) BIAS
(2) BELTED BIAS
(3) RADIAL
(4) ELLIPTICAL
(5) HI PRESSURE SPARE
(6) SPACE SAVER SPARE
(7) OTHER: _____
(9) UNKNOWN

LF

3
21

RF

3

RR

3

LR

3
24

IF VEHICLE IS EQUIPPED WITH DUAL
WHEELS, COMPLETE FOR OUTER WHEELS
AND MAKE NOTES ON INNER WHEELS.

NOTES: _____

Duplicate columns 1-8
from the previous card.

Module F T Format 0 1
9 10 11 12

FUEL AND FUEL TANKS FT-1

TYPE OF PROPULSIVE FUEL (1) GASOLINE (2) DIESEL OIL (3) LPG (4) ELECTRIC (7) OTHER: _____ (9) UNKNOWN	<u>1</u> 13	AUXILIARY TANK TYPE (1) OEM TANK (2) AFTER MARKET TANK (8) NOT APPLICABLE (NOT EQUIPPED) (9) UNKNOWN	<u>8</u> 21
MAIN TANK LOCATION	<u>322</u> 14 16	AUXILIARY TANK LOCATION	<u>888</u> 22 24
MAIN FILLER CAP LOCATION	<u>113</u> 17 19	AUXILIARY FILLER CAP LOCATION	<u>888</u> 25 27
MAIN TANK MATERIAL	<u>1</u> 20	AUXILIARY TANK MATERIAL	<u>8</u> 28

TANK AND FILLER CAP LOCATION CODES

FIRST DIGIT (LONGITUDINAL)

- (1) BEHIND KICK-UP
- (2) IN KICK-UP
- (3) BETWEEN KICK-UP & COWL
- (4) FORWARD OF COWL
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

SECOND DIGIT (LATERAL)

- (1) LEFT OF FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) RIGHT OF FRAME
- (4) DUAL, RIGHT & LEFT TANKS
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

THIRD DIGIT (VERTICAL)

- (1) BELOW FRAME
- (2) WITHIN FRAME OR CENTERED
- (3) ABOVE FRAME
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

TANK MATERIAL CODES

- (1) STEEL
- (2) ALUMINUM
- (3) PLASTIC
- (7) OTHER
- (8) NOT APPLICABLE (NOT EQUIPPED)
- (9) UNKNOWN

Duplicate columns 1-8
from the previous card.

Module F L Format 0 1
9 10 11 12

FUEL LEAKAGE FL-1

DID FUEL LEAKAGE RESULT FROM A CRASH EVENT

(0) NO KNOWN LEAKAGE SKIP PAGE.

(1) YES COMPLETE PAGE.


13

LEAK NUMBER	I LEAKING COMPONENT	II COMPONENT SOURCE	III TYPE OF DAMAGE	IV SEVERITY OF DAMAGE	V LOCATION OF LEAK	EVENT NUMBER
#1	<u>14</u> <u>15</u>	—	—	—	— —	<u>21</u>
#2	<u>22</u> <u>23</u>	—	—	—	— —	<u>29</u>
#3	<u>30</u> <u>31</u>	—	—	—	— —	<u>37</u>
#4	<u>38</u> <u>39</u>	—	—	—	— —	<u>45</u>
#5	<u>46</u> <u>47</u>	—	—	—	— —	<u>53</u>

I LEAKING COMPONENT

TANK AREA

- (11) MAIN FUEL TANK (INCLUDING VAPOR RECOVERY DOME)
- (12) AUXILIARY FUEL TANK
- (13) MAIN TANK FILLER TUBE
- (14) MAIN TANK CAP (GAS CAP)
- (15) AUXILIARY TANK FILLER TUBE
- (16) AUXILIARY TANK CAP (GAS CAP)
- (19) TANK AREA, DETAILS UNKNOWN

DELIVERY SYSTEM

- (21) FUEL FEED LINE (MAIN TANK TO FUEL PUMP)
- (22) FUEL FEED LINE (AUXILIARY TANK TO FUEL PUMP)
- (23) FUEL RETURN LINE (FUEL PUMP TO TANK)
- (24) INLINE FUEL FILTER
- (25) FUEL LINE (PUMP TO CARBURETOR OR INJECTOR PUMP)
- (26) CARBURETOR TO INJECTOR PUMP
- (27) FUEL PUMP
- (29) DELIVERY SYSTEM, DETAILS UNKNOWN

EVAPORATIVE EMISSION CONTROL SYSTEM

- (31) ATMOSPHERIC VENT PIPE (NON-EEC EQUIPPED)
- (32) EEC PIPE (VAPOR CANISTER TO CARBURETOR)

EEC SYSTEM (CONTINUED)

- (33) VAPOR RECOVERY HOSES (CANISTER TO CARBURETOR)
- (34) LIQUID-VAPOR SEPARATOR (UNLESS PART OF TANK)
- (35) CANISTER
- (39) EEC SYSTEM, DETAILS UNKNOWN

- (49) ENGINE COMPARTMENT, COMPONENT UNKNOWN
- (99) COMPONENT UNKNOWN

II COMPONENT SOURCE

- (1) OEM
- (2) AFTER MARKET
- (9) UNKNOWN

III TYPE OF DAMAGE

- (1) DENTED/CRUSHED
- (2) PUNCTURED
- (3) RUPTURED
- (4) SEVERED/GROSS TEARS
- (5) DISCONNECTED/DEFEATED
- (9) UNKNOWN

IV SEVERITY OF DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (4) DISCONNECTED/DEFEATED
- (9) UNKNOWN

V LOCATION OF LEAK

FIRST DIGIT
(LONGITUDINAL LOCATION)

- (1) F, FORWARD OF COWL
- (2) P, BETWEEN COWL & REAR BULKHEAD
- (3) B, BEHIND REAR BULKHEAD
- (4) Y, F, & P
- (5) Z, P, & B
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

SECOND DIGIT
(LATERAL LOCATION)

- (1) L, LEFT
- (2) C, CENTER
- (3) R, RIGHT
- (4) Y, LEFT CENTER (L & C)
- (5) Z, RIGHT CENTER (R & C)
- (6) D, DISTRIBUTED (F, P & B)
- (9) UNKNOWN

Duplicate columns 1-8
from the previous card.

Module F R Format 0 1
9 10 11 12

FIRE FR-1

WAS THERE FIRE IN OR ON CASE VEHICLE?

(0) NO SKIP PAGE.

(1) YES COMPLETE PAGE.



13

DID FIRE START IN CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

14

SEVERITY OF FIRE DAMAGE

- (1) MINOR
- (2) MODERATE
- (3) SEVERE
- (9) UNKNOWN

16

FLAME PROPOGATION RATE

- (1) RAPID/EXPLOSIVE
- (2) SLOW/MODERATE
- (9) UNKNOWN

15

DID AN INJURY TO CASE
VEHICLE OCCUPANT RESULT FROM
FIRE IN OR ON CASE VEHICLE?

- (0) NO
- (1) YES
- (9) UNKNOWN

17

PROVIDE NOTES IF FIRE OCCURRED.

Duplicate columns 1-8
from the previous card.

Module E D Format 0 1
9 10 11 12

EXTERIOR DAMAGE

ED-1

HOOD PERFORMANCE

FOR THE FOLLOWING, USE CODES:

- (0) NO
(1) YES
(8) NOT APPLICABLE
(9) UNKNOWN

HOOD LATCH(ES)- -RELEASED

-DAMAGED

-JAMMED

HOOD HINGES- -LEFT, DAMAGED

-LEFT, SEPARATED
(COMPLETE)

-RIGHT, DAMAGED

-RIGHT, SEPARATED
(COMPLETE)

HOOD REMAINED ON VEHICLE

REAR EDGE OF HOOD- -ELEVATED

-CONTACTED WINDSHIELD

-PENETRATED WINDSHIELD

HOOD LATCH LOCATION

- (1) FRONT OF VEHICLE
(2) COWL AREA
(3) SIDE
(8) NOT APPLICABLE
(9) UNKNOWN

STEERING COL FLEXIBLE COUPLING

FLEXIBLE COUPLING TYPE

- (0) NONE
(1) FLEXIBLE MATERIAL
(2) POT
(3) SINGLE U-JOINT
(4) DOUBLE U-JOINT
(5) FLEXIBLE CABLE
(6) COMBINATION OF ABOVE
(CIRCLE EACH)
(7) OTHER: _____
(8) EQUIPPED, TYPE UNKNOWN
(9) UNKNOWN, IF EQUIPPED

COUPLING-

-DAMAGED

(USE CODES
FROM HOOD
PERFORMANCE)

-SEPARATED
(COMPLETE)

ENG COMPART TELESCOPING UNIT

TYPE OF UNIT

- (00) NONE INSTALLED
(01) - (07) SEE UNITS ON PAGE ED-2
(88) NOT COLLECTED
(97) OTHER: _____
(98) EQUIPPED, TYPE UNKNOWN
(99) UNKNOWN IF EQUIPPED

ORIGINAL LENGTH (mm)

F (OR H): _____

TELESCOPED LENGTH (mm)

G: _____

DIFFERENCE (mm)

F (OR H) - G

(IF LESS THAN 15mm, ENTER "000".)

- (888) NOT COLLECTED
(991) NOT MEASURED/NO
COMPRESSION
(992) COMPRESSED, AMOUNT
UNKNOWN
(993) DEVICE EXTENDED
(997) UNABLE TO BE MEASURED
(998) NOT APPLICABLE (NOT
EQUIPPED)
(999) UNKNOWN

ENGINE OR TRANSMISSION MOUNT

SEPARATION (COMPLETE)

- (0) NO
(1) YES
(9) UNKNOWN

LEFT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

8
 34

LEFT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO
 (1) YES
 (4) NO SEPARATION, BUT DAMAGED
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

-A-PILLAR, UPPER

0
 35

LOWER

0
 36

-B-PILLAR, UPPER

0
 37

LOWER

0
 38

-C-PILLAR, UPPER

0
 39

LOWER

8
 40

-D-PILLAR, UPPER

8
 41

LOWER

8
 42

LEFT DOORS

HOW DID DOORS
OPEN DURING COLLISION?

USE CODES:

(0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
 (2) DOOR-LATCH SEPARATION
 (3) LATCH-STRIKER SEPARATION
 (4) STRIKER-PILLAR SEPARATION
 (5) BODY DISTORTION
 (6) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (7) OPENED, REASON UNKNOWN

- (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

-FRONT

0
 43

-REAR

8
 44

DOORS JAMMED CLOSED-

USE CODES:

- (0) NO
 (1) YES
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

-FRONT

0
 45

-REAR

8
 46

REAR DOOR

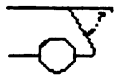
REAR DOOR TYPE

- (0) NO DOOR (INCLUDES PICKUPS)
- (1) HATCHBACK
- (2) ONE-WAY TAILGATE
- (3) TWO-WAY TAILGATE
- (4) CLAMSHELL/DISAPPEARING TAILGATE
- (5) SINGLE DOOR
- (6) DOUBLE DOOR
- (9) UNKNOWN

Hatchback



One-way



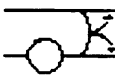
Two-way



or



Clamshell



Single door



Double door

HOW DID DOOR
OPEN DURING COLLISION?

- (0) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (1) HINGE AREA SEPARATION
- (2) DOOR-LATCH SEPARATION
- (3) LATCH-STRIKER SEPARATION
- (4) STRIKER-PILLAR SEPARATION
- (5) BODY DISTORTION
- (6) COMBINATION OF ABOVE
(CIRCLE EACH)
- (7) OPENED, REASON UNKNOWN
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

DOOR JAMMED CLOSED

- (0) NO
- (1) YES
- (8) NOT APPLICABLE (NO DOOR)
- (9) UNKNOWN

①
47

8
48

8
49

OTHER REAR DAMAGE

WAS PARTITION TO LUGGAGE AREA
DAMAGED DURING COLLISION?

- (0) NO
- (1) YES
- (8) NOT APPLICABLE
- (9) UNKNOWN

①
50

SPARE TIRE

- (0) NO SPARE TIRE
- (1) NOT ATTACHED BEFORE COLLISION
- (2) ATTACHED, NOT SEPARATED IN COLLISION
- (3) ATTACHED, SEPARATED DUE TO COLLISION
- (8) NOT COLLECTED
- (9) UNKNOWN

8
51

TRAILER HITCH TYPE

- (0) NO HITCH

BALL-AND-SOCKET TYPES

- (1) TEMPORARY FRAMEWORK (E.G. RENTAL CLAMP-ON)
- (2) BUMPER-MOUNT ONLY (E.G. LIGHT TRUCK)
- (3) BUMPER-AND-FRAME (BUT NON-EQUALIZING)
- (4) LOAD EQUALIZING

OTHER TYPES

- (5) RING-AND-PINTLE
- (6) FIFTH-WHEEL (INCL. P/U)
- (7) OTHER (E.G. CLEVIS-AND-PIN)

- (8) EQUIPPED, TYPE UNKNOWN
- (9) UNKNOWN IF EQUIPPED

①
52

TRAILER TYPE
(AT TIME OF COLLISION)

- (0) NO TRAILER
- (1) TRAVEL-TRAILER/CAMPER
- (2) MOBILE HOME
- (3) BOAT/SNOWMOBILE/ATV TRAILER
- (4) UTILITY TRAILER
- (5) TOWED CAR
- (7) OTHER: _____
- (8) TRAILER, TYPE UNKNOWN
- (9) UNKNOWN

①
53

RIGHT-SIDE BODY MOUNT

DID BODY MOUNT SEPARATE?

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

8
 54

RIGHT DOORS

HOW DID DOORS
OPEN DURING COLLISION?

USE CODES:

(00) DOOR DID NOT OPEN

OPENED BECAUSE OF

- (01) HINGE AREA SEPARATION
 (02) DOOR-LATCH SEPARATION
 (03) LATCH-STRIKER SEPARATION
 (04) STRIKER-PILLAR SEPARATION
 (05) BODY DISTORTION
 (06) COMBINATION OF ABOVE
 (CIRCLE EACH)
 (07) OPENED, REASON UNKNOWN
 (11) VAN RIGHT-REAR DOOR OPENED
 (ANY MECHANISM)

- (98) NOT APPLICABLE (NO DOOR)
 (99) UNKNOWN

RIGHT PILLARS

PILLARS SEPARATED COMPLETELY -

USE CODES:

- (0) NO
 (1) YES
 (4) NO SEPARATION, BUT DAMAGED
 (8) NOT APPLICABLE (NOT EQUIPPED)
 (9) UNKNOWN

-A-PILLAR, UPPER

0
 55

LOWER

0
 56

-B-PILLAR, UPPER

0
 57

LOWER

0
 58

-C-PILLAR, UPPER

0
 59

LOWER

8
 60

-D-PILLAR, UPPER

8
 61

LOWER

8
 62

-FRONT

00
 63 64

-REAR

98
 65 66

DOORS JAMMED CLOSED-

USE CODES:

- (0) NO
 (1) YES
 (8) NOT APPLICABLE (NO DOOR)
 (9) UNKNOWN

-FRONT

0
 67

-REAR

8
 68

VAN REAR DOOR TYPE

- (0) VAN, NO REAR DOOR
 (1) TRACK (SLIDING) - RIGHT SIDE
 (2) SINGLE-HINGED - RIGHT SIDE
 (3) DOUBLE-HINGED - RIGHT SIDE
 (4) TRACK (SLIDING) - RIGHT & LEFT SIDE
 (5) SINGLE-HINGED - RIGHT & LEFT SIDE
 (6) DOUBLE-HINGED - RIGHT & LEFT SIDE
 (7) TRACK AND HINGED COMBINATION
 (8) NOT APPLICABLE (NOT A VAN)
 (9) UNKNOWN

8
 69

WINDSHIELD DAMAGE

WINDSHIELD CRACKED

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

WINDSHIELD BROKEN
(PLASTIC INTERLAYER TORN)

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

CRACKED OR BROKEN
BY OCCUPANT CONTACT

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (9) UNKNOWN

EXTENT OF BOND SEPARATION

- (0) NONE
 (1) 1 - 20%
 (2) 21 - 40
 (3) 41 - 60
 (4) 61 - 80
 (5) 81 - 99
 (6) TOTAL
 (7) SEPARATED, AMOUNT
 UNKNOWN
 (8) NOT APPLICABLE
 (9) UNKNOWN

1
70

⊕
71

⊕
72

⊕
73

WINDSHIELD MARK ON CASE VEHICLE:

WINDSHIELD MARK ON CASE VEHICLE:

SOLAR TINT

FORD

LAMINATED
AS-1

WINDSHIELD CODE

- (97) DESCRIBED BUT NOT CODED
 (98) NOT APPLICABLE (NO WINDSHIELD)
 (99) UNKNOWN

97
74 75

ROOF

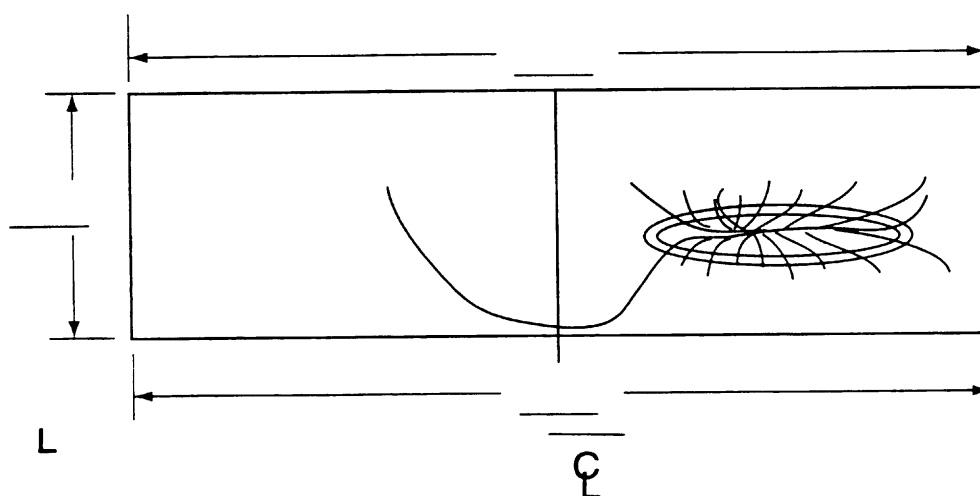
DID T-ROOF/SUN ROOF OPEN
DURING COLLISION?

- (0) NO
 (1) YES
 (8) NOT APPLICABLE
 (NOT A T-ROOF OR SUN ROOF)
 (9) UNKNOWN

8
76

LOCATE AREA OF WINDSHIELD INTEREST OR DAMAGE WITH DIMENSIONS (VERTICAL & HORIZONTAL) ON THIS DIAGRAM OF THE WINDSHIELD AS VIEWED FROM INSIDE.

Airbag cover door
damage



STEERING WHEEL

STEERING WHEEL RIM DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

①
13

NUMBER OF STEERING WHEEL SPOKES

- (9) UNKNOWN

4
14

STEERING WHL SPOKE DAMAGE

- (0) NONE
- (1) DEFORMED SLIGHTLY
- (2) SEVERELY BENT
- (3) BROKEN
- (9) UNKNOWN

①
15

STEERING WHEEL POSITION AT TIME OF COLLISION

IN WHAT O'CLOCK POSITION WAS THE
NORMAL TOP OF THE WHEEL POINTED
WHEN THE COLLISION OCCURRED?

EXAMPLES

O'CLOCK = 1 2



(NORMAL STRAIGHT
AHEAD)

O'CLOCK = 0 2



O'CLOCK = _ _

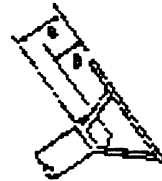
(99) UNKNOWN

STEERING WHEEL ENERGY ABSORBING DEVICE



(1) EXAMPLES:

BARRACUDA, 70 - 74
CHALLENGER, 70 - 74
CAPRI, 71 - 77



(2) EXAMPLES:

OMNI, 78 -
HORIZON, 78 -

STEERING COLUMN OPTIONS

TILT FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED, UNK POSITION
- (2) UP
- (3) MIDDLE
- (4) LOWER
- (9) UNKNOWN IF EQUIPPED

4
16

SWING-AWAY FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

①
17

TELESCOPING FEATURE

- (0) NOT EQUIPPED
- (1) YES, EQUIPPED
- (9) UNKNOWN IF EQUIPPED

①
18

TYPE OF DEVICE

- (0) NONE
- (1) CONVOLUTED OR MESH CYLINDER
- (2) DEEP DISH STEERING WHEEL
- (7) OTHER: _____
- (8) NOT COLLECTED
- (9) UNKNOWN IF EQUIPPED

ORIGINAL DIMENSION (mm)

A: _____

DAMAGE DIMENSION (mm)

B: _____

DIFFERENCE (mm)

A - B

- (888) NOT COLLECTED
- (991) NOT MEASURED/NO APPARENT COMPRESSION
- (992) COMPRESSED, AMOUNT UNKNOWN
- (993) DEVICE EXTENDED
- (997) UNABLE TO MEASURE
- (998) NOT APPLICABLE (NOT EQUIPPED)
- (999) UNKNOWN

8
19

8 8 8
20 22

STEERING COLUMN ENERGY ABSORBING DEVICE

TYPE OF DEVICE * (IF 27 OR 28)

- (00) NOT EQUIPPED
(88) NOT COLLECTED
(99) UNKNOWN

ORIGINAL LENGTH (mm)

C: _____

COMPRESSED LENGTH (mm)

D: _____

BRACKET DEFLECTION (IF CODE 36, 48,
OR 49 ABOVE)

OR

COMPRESSION (OR EXTRUSION) (mm)

C - D (OR E) (TOLERANCE: ± 10)

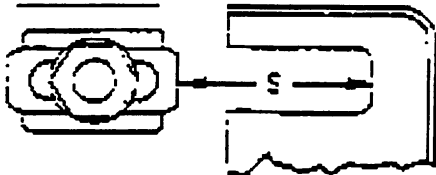
- (888) NOT COLLECTED
(991) NOT MEASURED/NO APPARENT
COMPRESSION
(992) COMPRESSED, AMOUNT UNKNOWN
(993) DEVICE EXTENDED
(997) UNABLE TO BE MEASURED
(998) NOT APPLICABLE (NOT EQUIPPED)
(999) UNKNOWN

* (ADD A & B FOR TOTAL COMPRESSION)

SHEAR CAPSULE SEPARATION (mm)

S (USE AVG. OF LEFT & RIGHT CAPSULES.)

LT:



RT:

- (888) NOT COLLECTED
(991) NOT MEASURED/NO APPARENT
SEPARATION
(992) SEPARATED, AMOUNT UNKNOWN
(997) UNABLE TO BE MEASURED
(998) NOT APPLICABLE (NOT EQUIPPED)
(999) UNKNOWN

COLUMN VERTICAL ROTATION

- (0) NO APPARENT ROTATION
(1) UPWARD APPARENT ROTATION
(2) DOWNWARD APPARENT ROTATION
(9) UNKNOWN

COLUMN LATERAL ROTATION

- (0) NO APPARENT ROTATION
(1) LEFT APPARENT ROTATION
(2) RIGHT APPARENT ROTATION
(9) UNKNOWN

STEERING WHEEL (CONTINUED)

STEERING WHEEL HUB DAMAGE

- (0) NONE
(1) OCCUPANT CONTACT
(2) AIRBAG
(3) OTHER _____
(9) UNKNOWN

33

8	8
23	24

8	8	8
25	27	

8	8	8
28	30	

31

32

1 = Definitely 2 = Probably 3 = Possible

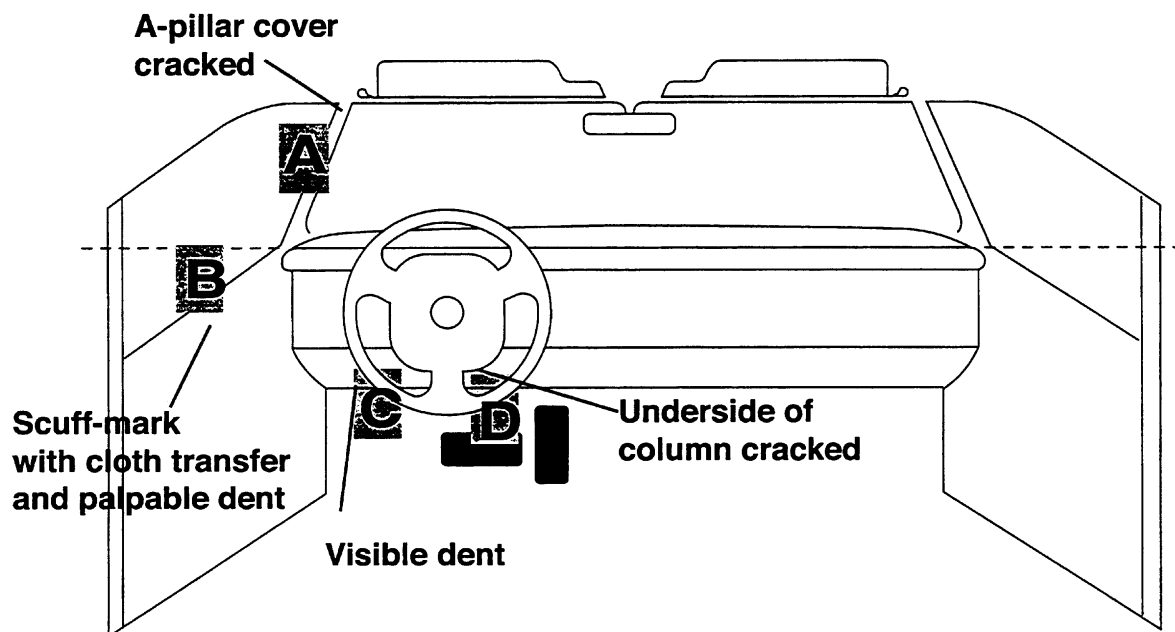
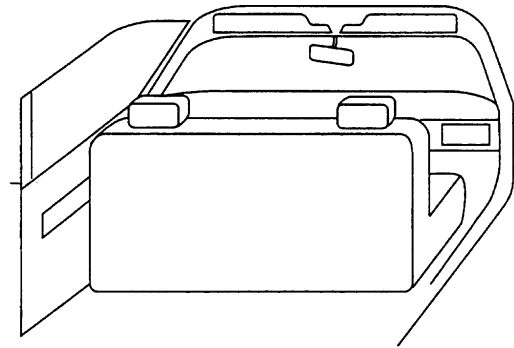
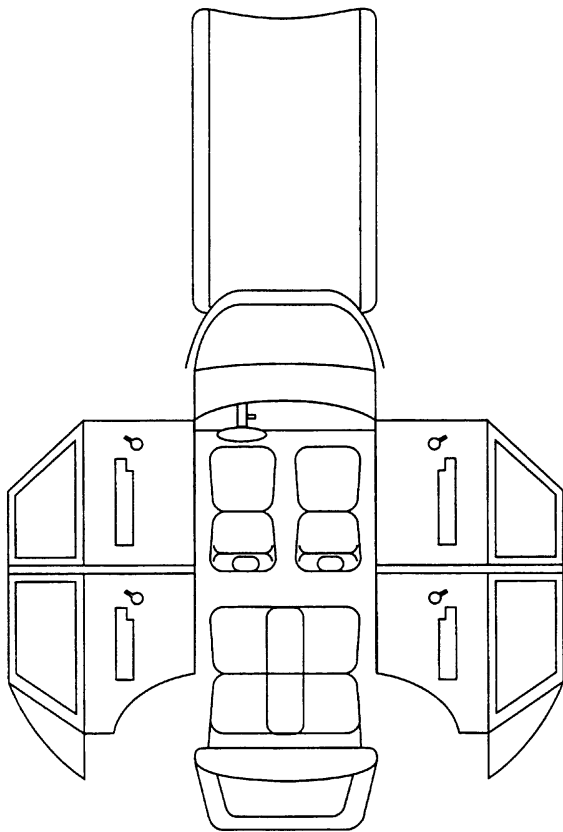
INTRUSION IT-1

Location of Intrusion	Intruded Component	(All Measurements Are in Centimeters)			Dominant Crush Direction
		Comparison Value	Intruded Value	Intrusion	
		-	-	=	
		-		=	
		-		=	
	None Apparent	-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	
		-		=	

OCCUPANT CONTACT WORKSHEET

Contact	Interior Component Contacted	Occupant No. if Known	Body Region if Known	Supporting Physical Evidence	Confidence Level of Contact Point
A	Upper A-pillar	1	Head	Cracked	1
B	Door	1	Shoulder	Scuff mark	1
C	Knee bolster	1	Knee	Visible dent	1
D	Underside of steering column	1	Knee	cracked	
E					
F					
G					
H					

VEHICLE OCCUPANT CONTACT DIAGRAM



CODES FOR COLUMN B, OCCUPANT SPACE NUMBER

OCCUPANT SPACE NUMBER IS A TWO-DIGIT CODE. THE USE OF THE CODE IS DETERMINED BY THE VEHICLE SEAT CONFIGURATION AT THE TIME OF THE ACCIDENT.

FIRST DIGIT

THE FIRST DIGIT (LEFT DIGIT) DENOTES THE SEAT ROW, WITH CODE VALUES FROM 1 TO 5.

SECOND DIGIT

THE SECOND DIGIT (RIGHT DIGIT) DENOTES THE POSITION ON THE SEAT AND, IN SOME INSTANCES, THE WIDTH OF THE SEAT.

- (1) LEFT (3) RIGHT INDIVIDUAL SEAT
- (1) LEFT (2) CENTER (3) RIGHT BENCH: FULL WIDTH 3 PASSENGER
- (1) LEFT (2) LEFT CENTER (6) RIGHT CENTER (3) RIGHT BENCH: FULL WIDTH 4 PASSENGER
- (1) LEFT (2) CENTER (5) RIGHT & AISLE SPACE BENCH: PARTIAL WIDTH, LEFT
- (0) LEFT & SPACE (2) CENTER (5) RIGHT & SPACE BENCH: PARTIAL WIDTH, CENTERED
- (4) ENTIRE VEHICLE WIDTH CARGO AREA

EXAMPLES

THE TWO FIGURES BELOW PROVIDE EXAMPLES OF THE OCCUPANT SPACE NUMBER.

PASSENGER CAR
5 PASSENGERS

X	X	11	13
X	X	21	22 23

VAN
12 PASSENGER CAPACITY

X	X	11	13
X	X	X	21 22 25
X	X	X	31 32 35
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
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X	X	X	X
X	X	X	X
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X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X	X	X
X	X		

CODES FOR COLUMN F, MEASUREMENT AXIS

- (X) X-AXIS (FORE & AFT)
(Y) Y-AXIS (LATERAL)
(Z) Z-AXIS (VERTICAL)

CODES FOR COLUMNS G, H, I & J, OCCUPANT & INJURY NUMBERS

OCCUPANT NUMBER	INJURY NUMBER	CONTACT
(00)	(00)	NO CONTACT
(##)	(00)	CONTACT, NO INJURY
(97)	(99)	CONTACT, OCCUPANT UNKNOWN, INJURY UNKNOWN
(99)	(00) OR (99)	UNKNOWN IF CONTACT

CODES FOR COLUMN C, INTRUDING COMPONENT OR OBJECT

NOTE: DO NOT CODE OBJECTS OTHER THAN COMPONENTS OF CASE VEHICLE.

INDIVIDUAL COMPONENT

INTERNAL

- (01) INSTRUMENT PANEL
- (02) FIRE WALL
- (03) TOE PAN
- (04) FLOOR PAN
- (05) STEERING COLUMN
- (06) WINDSHIELD
- (07) WINDSHIELD HEADER
- (08) A-PILLAR
- (09) DOOR PANEL OR SIDE PANEL
- (10) WINDOW FRAME
- (11) B-PILLAR
- (12) C-PILLAR
- (13) D-PILLAR
- (14) ROOF SIDE RAILS
- (15) ROOF OR CONVERTIBLE TOP
- (16) BACKLIGHT HEADER
- (17) FRONT SEAT-BACK SURFACE/
SEAT-BACK BACK SURFACE
- (18) SECOND SEAT-BACK SURFACE
SEAT-BACK BACK SURFACE
- (19) THIRD SEAT-BACK SURFACE
SEAT-BACK BACK SURFACE
- (20) FOURTH SEAT-BACK SURFACE
SEAT-BACK BACK SURFACE
- (21) FIFTH SEAT-BACK SURFACE
SEAT-BACK BACK SURFACE
- (22) BACK PANEL/BACK DOOR SURFACE
- (23) SEAT CUSHION SURFACE/EDGE
- (24) CONSOLE
- (25) OTHER (*DESCRIBE*)
- (26) UNKNOWN INTERNAL SURFACES
- (28) TRANSMISSION TUNNEL (HUMP)
- (29) SIDE FOOTWELL PANEL (KICKPANEL)
- (30) SILL

EXTERNAL

- (43) HOOD
- (44) OBJECT EXTERNAL TO PASSENGER
COMPARTMENT BUT PART
OF CASE VEHICLE
- (45) OUTSIDE SURFACE OF CASE VEHICLE
- (46) OTHER (E.G. SPARE TIRE,
JACK. *DESCRIBE*.)
- (49) UNKNOWN EXTERNAL OBJECT

GROUPED FOR MASSIVE INTRUSION INTO AN OCCUPANT SPACE

USE ONLY IF ALL THESE COMPONENTS
INTRUDED INTO A SINGLE OCCUPANT SPACE.

- (50) WINDSHIELD HEADER
- A-PILLAR
- ROOF SIDE RAIL

- (51) INSTRUMENT PANEL
- A-PILLAR
- DOOR PANEL

- (52) INSTRUMENT PANEL
- A-PILLAR
- WINDSHIELD HEADER

- (53) DOOR PANEL
- B-PILLAR
- ROOF RAIL

- (54) DOOR PANEL
- A-PILLAR
- ROOF RAIL

- (55) INSTRUMENT PANEL
- FLOOR PAN
- A-PILLAR
- DOOR FRAME

- (56) ROOF RAIL
- A-PILLAR
- B-PILLAR
- WINDOW FRAME

- (57) ROOF RAIL
- A-PILLAR
- B-PILLAR
- C-PILLAR
- DOOR PANEL

- (58) ROOF
- ROOF RAIL
- WINDOW FRAME
- DOOR PANEL

- (59) BACKLIGHT HEADER
- ROOF
- C-PILLAR
- THIRD SEAT-BACK

- (60) ROOF
- ROOF RAIL
- A-PILLAR
- B-PILLAR
- C-PILLAR
- WINDOW FRAME
- DOOR PANEL
- FLOOR PAN

- (61) INSTRUMENT PANEL
- TOE PAN
- WINDSHIELD HEADER
- A-PILLAR
- ROOF RAIL
- WINDOW FRAME
- DOOR PANEL
- ROOF

- (62) ROOF
- ROOF RAIL
- C-PILLAR
- WINDOW FRAME
- FLOOR PAN
- SECOND SEAT
- DOOR PANEL

- (63) ROOF RAIL
- ROOF
- B-PILLAR
- WINDOW FRAME
- FLOOR PAN
- DOOR PANEL
- SECOND SEAT
- FRONT SEAT

- (64) ROOF RAIL
- ROOF OR CONVERTIBLE TOP
- A-PILLAR
- B-PILLAR
- WINDOW FRAME
- WINDOW HEADER

- (65) WINDSHIELD
- WINDSHIELD HEADER
- ROOF SIDE RAIL

- (66) WINDSHIELD
- WINDSHIELD HEADER
- A-PILLAR

(98) NOT APPLICABLE

(99) UNKNOWN

Duplicate columns 1-8
from the previous card.

Module 1 T Format 0 1
9 10 11 12

INTRUSION IT-5

WAS THERE OCCUPANT COMPARTMENT INTRUSION?

0
13

WAS INTRUSION CATASTROPHIC?

14

- (0) NO DO NOT ANSWER NEXT QUESTION. SKIP PAGE.
(1) YES ANSWER NEXT QUESTION.
(9) UNKNOWN SKIP PAGE.

- (0) NO COMPLETE PAGE.
(1) YES SKIP PAGE.

Duplicate columns 1-8
from the previous card.

Module 1 T Format 0 2
9 10 11 12

NOTE: Each line in the table below is a separate record (card). Duplicate columns 1 - 12 for each completed line.

INTRUSIONS *CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.*
CODES FOR B, F, G, H, I, J ON PAGE IT-3
CODES FOR C ON PAGE IT-4 OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0</u> <u>1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0</u> <u>2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0</u> <u>3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0</u> <u>4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0</u> <u>5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0</u> <u>6</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0</u> <u>7</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —

NOTE: USE ADDITIONAL PAGE IF MORE THAN 7 INTRUSIONS.

Duplicate columns 1-8
from the previous card.

Module 1 T Format 0 3
9 10 11 12

NOTE: IF NO SIDE DOOR INTRUSION,
SKIP REMAINDER OF PAGE.

**SIDE DOOR INTRUSION
RESULTED FROM**

INTRUSION
NUMBER CAUSE

CODES
FOR CAUSE:

13	15	(1) DIRECT IMPACT
16	18	(2) INDUCED DAMAGE
19	21	(9) UNKNOWN

**IF DAMAGE TO DOOR COMPONENT RESULTED IN INCREASED
DOOR INTRUSION, CODE COMPONENT**

INTRUSION
NUMBER

DAMAGED
COMPONENT 1

DAMAGED
COMPONENT 2

CODES
FOR COMPONENTS

A — —
22 23

—

25

B — —
26 27

—

29

C — —
30 31

—

33

D — —
34 35

—

37

- (0) NONE
(1) A-PILLAR
(2) B-PILLAR
(3) C-PILLAR
(4) LATCH/STRIKER
(5) HINGES
(7) OTHER: —
(8) NOT APPLICABLE
(9) UNKNOWN

Duplicate columns 1-8
from the previous card.

Module 1 T Format 0 2
9 10 11 12

INTRUSION IT-6

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

-- ADDITIONAL PAGE --

INTRUSIONS CODE INTRUSIONS IN THIS ORDER: LEFT TO RIGHT ON ROW; FRONT TO BACK IN VEHICLES.
CODES FOR B, F, G, H, I, J ON PAGE IT-3
CODES FOR C ON PAGE IT-4

OCCUPANT CONTACT AND INJURY

A	B	C	D	E	F	G	H	I	J	K
INTRUSION NUMBER	OCC. SPACE NO.	INTRUDING COMPONENT OR OBJECT	ASSOC. EVENT NO.	MAXIMUM INTRUSION X AXIS (cm)	MAXIMUM INTRUSION Y AXIS (cm)	MAXIMUM INTRUSION Z AXIS (cm)	OCCUPANT NUMBER	INJURY NUMBER	OCCUPANT NUMBER	INJURY NUMBER
13-14	15-16	17-18	19	20-21	22-23	24-25	26-27	28-29	30-31	32-33
<u>0 8</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>0 9</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 0</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 6</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 7</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 8</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>1 9</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 0</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 1</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 2</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 3</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 4</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —
<u>2 5</u>	— —	— —	—	— —	— —	— —	— —	— —	— —	— —

Duplicate columns 1-8
from the previous card.

Module I D Format 0 1
9 10 11 12

INTERIOR DAMAGE

ID-1

CODES:

- (0) NO
(1) YES
(3) NO, and OCCUPANT CONTACT

- (4) YES, and OCCUPANT CONTACT
(8) NOT APPLICABLE
(9) UNKNOWN

	LEFT	RIGHT				
SIDES			FRONT		INSTRUMENT PANEL	
FRONT DOOR	4	0	FOOT CONTROLS	0	UPPER PANEL	0
FRONT HARDWARE	13	14	IGNITION KEYS	45	MID PANEL	55
FRONT ARMREST	15	16	REAR VIEW MIRROR	46	LOWER PANEL	56
FRONT GLASS	17	18	SUNVISOR/FITTINGS	47	ASHTRAY	57
REAR DOOR AREA	19	20	(5) LEFT SIDE ONLY (6) RIGHT SIDE ONLY (7) BOTH SIDES	48	CONTROL KNOBS & LEVERS	58
REAR HARDWARE	21	22	WINDSHIELD TOP MOLDINGS	49	GLOVE COMPARTMENT AREA	59
REAR ARMREST	23	24	LEFT A-PILLAR (UPPER OR LOWER)	50	INSTRUMENTS	60
REAR GLASS	25	26	RIGHT A-PILLAR (UPPER OR LOWER)	51	PARKING BRAKE RELEASE	61
ROOF SIDE RAIL	27	28	CENTER CONSOLE	52	PARKING BRAKE PEDAL	62
B-PILLAR	29	30	TRANSMISSION SELECTOR LEVER	53	A/C OR UPPER VENT OUTLETS	63
C-PILLAR	31	32	RIM, HORN, SPOKE	54	HEATER OR A/C DUCTS	64
D-PILLAR	33	34			RADIO	65
HEADLINING	35	36			OTHER: * _____	66
ROOF STRUCTURE	37	38			_____	67
T-ROOF/SUN ROOF	39	40				
OTHER: * _____	41	42				
_____	43	44				
					REAR	
					WINDOW	0
					WINDOW HEADER	0
						68
					CONSOLES	
					VERTICAL	0
					ROOF	8
						70
						71

* MORE THAN ONE ITEM MAY BE NOTED.

Duplicate columns 1-8
from the previous card.

Module S T Format 0 2
9 10 11 12

SEATS

ST-1

FRONT SEAT		DRIVER	PASSENR	FRONT SEAT-BACK		DRIVER	PASSENR
TYPE OF FRONT SEAT (00) NO SEAT (01) STANDARD BENCH (02) SPLIT BACK, 50-50 (03) SPLIT BACK, DRIVER WIDE (04) SPLIT BACK, PASS. WIDE (05) BUCKET (06) CAPTAIN'S CHAIR (07) INDIV. BENCH, 50-50 (08) INDIV. BENCH, DRIVER WIDE (09) INDIV. BENCH, PASS. WIDE (97) OTHER: _____ (99) UNKNOWN		<u>05</u> 13 14	<u>05</u> 15 16	SEAT-BACK TYPE (1) FORWARD FOLDING (2) RIGID (3) RECLINING (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 30	<u>1</u> 31
TYPE OF SEAT MOUNT (1) STANDARD (2) PEDESTAL (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 17	<u>1</u> 18	SEAT-BACK LOCK TYPE (0) NONE (1) MANUAL (2) INERTIA (3) POWER (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 32	<u>1</u> 33
SWIVEL MECHANISM EQUIPPED (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 19	<u>0</u> 20	LOCKS HELD (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 34	<u>1</u> 35
ORIGINAL EQUIPMENT SEATS (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 21	<u>1</u> 22	RECLINER MECHANISM HELD (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 36	<u>1</u> 37
CONTACT OF SEAT BY REAR OCCUPANT (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>8</u> 23	<u>8</u> 24	HEAD RESTRAINT HEAD RESTRAINT TYPE (0) NONE (1) ADJUSTABLE (2) INTEGRAL (3) NOT INTEGRAL, BUT CANNOT BE REMOVED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 38	<u>1</u> 39
FRONT SEAT DAMAGE (0) NONE (1) BACKREST ONLY DAMAGED (2) CUSHION ONLY DAMAGED (3) BACKREST & CUSHION DAMAGED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 25	<u>0</u> 26	REMOVED PRE-CRASH (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 40	<u>0</u> 41
CENTER ARMREST DAMAGED (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED		<u>8</u> 27		ADJUSTMENT AT CRASH (1) UP (2) DOWN (8) NOT APPLICABLE (9) UNKNOWN		<u>1</u> 42	<u>2</u> 43
FRONT SEAT ROTATION (0) NONE APPARENT (1) FORWARD APPARENT (2) REARWARD APPARENT (3) LEFT APPARENT (4) RIGHT APPARENT (5) MULTIPLE ROTATIONS SPECIFY _____ (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 28	<u>0</u> 29	HEAD RESTRAINT DAMAGE (0) NONE (1) DAMAGED BUT NOT SEPARATED (2) SEPARATED (8) NOT APPLICABLE (9) UNKNOWN		<u>0</u> 44	<u>0</u> 45

FRONT SEAT ADJUSTMENT		DRIVER	PASSENGER	SECOND SEAT (CONT.)	
SEAT ADJUSTMENT TYPE (0) NONE (RIGID) (1) MANUAL (2) POWER (7) OTHER: _____ (8) NOT APPLICABLE (NO SEAT) (9) UNKNOWN		1 46	1 47	CENTER ARMREST DAMAGED (0) NO (1) YES (7) EQUIPPED, DAMAGE UNKNOWN (8) NOT APPLICABLE (NO CENTER ARMREST) (9) UNKNOWN IF EQUIPPED	
ADJUSTMENT PROVIDED (1) 2-WAY (2) 4-WAY (3) 6-WAY (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		1 48	1 49	SECOND SEAT-BACK LOCKS FOR THE FOLLOWING, USE: (0) NO (1) YES (8) NOT APPLICABLE (9) UNKNOWN	
SEAT ADJUSTER DAMAGE (0) NONE (1) CHUCKING (FREE PLAY) (2) DEFORMED (RELEASED/JAMMED) (3) SEPARATED (7) OTHER: _____ (8) NOT APPLICABLE (9) UNKNOWN		8 50	8 51	LEFT OR CENTER, EQUIPPED 8 61	8 62
SEAT ADJUSTER SEPARATION (0) NONE (1) SEPARATED AT FLOOR (2) SEPARATION OF ADJUSTER (3) SEPARATED AT SEAT (8) NOT APPLICABLE (9) UNKNOWN		0 52	0 53	LEFT OR CENTER, HELD (3) SEAT FOLDED DOWN 8 63	8 64
PRE-CRASH POSITION (1) FORWARD (2) MIDDLE (3) REARWARD (8) NOT APPLICABLE (9) UNKNOWN		2 54	2* 55	RIGHT, EQUIPPED 8 65	8 66
THIRD SEAT EQUIPPED BACKREST DAMAGED CUSHION DAMAGED				8 67	8 68
SECOND SEAT TYPE OF SECOND SEAT - (0) NONE (1) NON-FOLDING (2) FOLDING (3) CAPTAIN'S CHAIR (4) JUMP SEAT (5) INTEGRAL CHILD SEAT (6) LUGGAGE AREA ACCESS PANEL (9) UNKNOWN		LEFT	RIGHT	VEHICLE EQUIPPED WITH REAR HEAD RESTRAINTS (0) NOT EQUIPPED (OR REMOVED) (1) EQUIPPED (2) EQUIPPED & DAMAGED (8) NOT APPLICABLE (NO REAR SEAT) (9) UNKNOWN <i>Applies to any rear-seat position</i>	
SECOND SEAT DAMAGE (0) NONE (1) BACKREST ONLY (DAMAGED OR LOOSENED) (2) CUSHION ONLY (DAMAGED OR LOOSENED) (3) BACKREST & CUSHION (DAMAGED OR LOOSENED) (4) INTEGRAL CHILD SEAT (PRIORITY CODE) (5) LUGGAGE AREA ACCESS PANEL (DAMAGED OR LOOSENED) (8) NOT APPLICABLE (9) UNKNOWN		0 56	0 57	8 69	
				8 70	
				8 71	
				8 72	
				8 73	
				8 74	
				1 75	

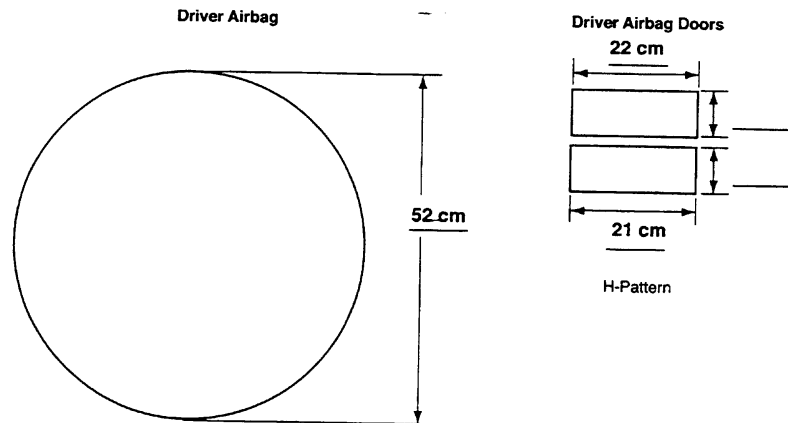
Duplicate columns 1-8
from the previous card.

Module A B Format 0 1
9 10 11 12

AIRBAG AB-1

<p align="center">DRIVER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p align="center"><u>1</u> 13</p> <p align="center"><u>1</u> 14</p>	<p align="center">PASSENGER SIDE</p> <p>LOCATION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>EQUIPPED</p> <p>(0) NO (1) YES (4) PRIOR DEPLOYMENT NOT REINSTALLED (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>DEPLOYED</p> <p>(0) NO (1) YES (2) PARTIAL/IMPROPER DEPLOYMENT (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p align="center"><u>1</u> 16</p> <p align="center"><u>1</u> 17</p>
<p>CONDITION OF AIRBAG</p> <p>STEERING WHEEL</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p align="center"><u>⓪</u> 15</p>	<p>CONDITION OF AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>(0) NO DAMAGE (2) SPLIT OR TORN (3) CUT DURING CRASH (4) BURNED/MELTED (5) CUT POST CRASH (6) OTHER _____ (7) DAMAGED, CONDITION UNKNOWN (8) NOT APPLICABLE (NOT EQUIPPED/NOT DEPLOYED) (9) UNKNOWN IF EQUIPPED OR CONDITION</p>	<p align="center"><u>⓪</u> 18</p>
<p align="center">DRIVER SIDE</p> <p>AIRBAG</p> <p>STEERING WHEEL</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>2-straps</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p align="center"><u>1</u> 19</p> <p align="center"><u>⓪</u> 20</p>	<p align="center">PASSENGER SIDE</p> <p>AIRBAG</p> <p>INSTRUMENT PANEL (GLOVE BOX)</p> <p>TETHER</p> <p>(0) NO (1) YES (6) OTHER _____ (7) UNKNOWN IF TETHERED (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN IF AIRBAG EQUIPPED</p> <p>MARKED BY CONTACT</p> <p>(0) NO (1) YES (8) NOT APPLICABLE (NO AIRBAG) (9) UNKNOWN</p>	<p align="center"><u>⓪</u> 21</p> <p align="center"><u>⓪</u> 22</p>

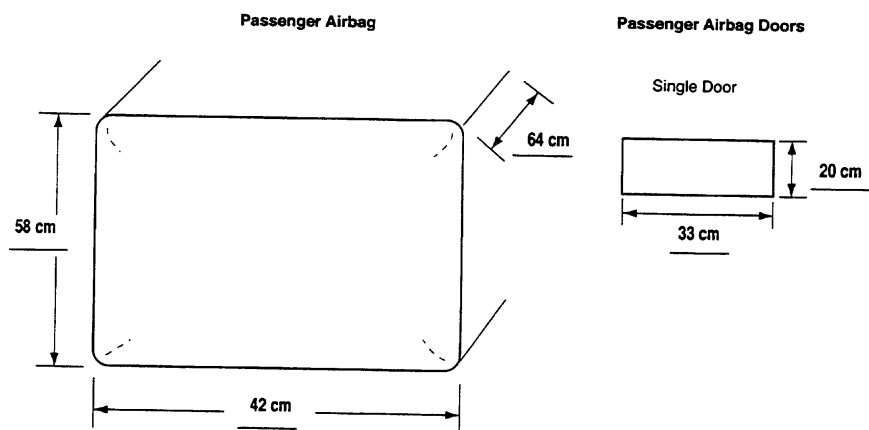
AIRBAG NUMBER ON DRIVER SIDE:



Vents: ☒ Y ☐ N
if yes, how many: 2 cm

Tethers: ☒ Y ☐ N
if yes, how many: 2

AIRBAG NUMBER ON PASSENGER SIDE:



Vents: ☒ Y ☐ N
if yes, how many: 2

Tethers: ☐ Y ☒ N
if yes, how many: _____

NOTE TO THE INVESTIGATOR:

THE FOLLOWING TWO SECTIONS,
OCCUPANT INFORMATION AND INJURY CLASSIFICATION,
ARE TO BE FILLED IN
FOR EACH CASE VEHICLE OCCUPANT,
WHETHER INJURED OR NOT.

IF THERE IS MORE THAN ONE OCCUPANT,
USE ADDITIONAL COPIES
OF PAGES OC-1, OC-2, OC-3,
AND IC-2 TO DESCRIBE THEM
AND ATTACH THE COPIES TO THIS REPORT.

Duplicate columns 1-8
from the previous card.Module 0 C Format 0 2
9 10 11 12

OCCUPANT INFORMATION OC-1

OCCUPANT IDENTIFICATION OCCUPANT NUMBER ROLE OF OCCUPANT AT 1ST IMPACT (1) MOTOR VEHICLE DRIVER (2) MOTOR VEHICLE PASSENGER (NOT DRIVER) (9) UNKNOWN	<u>01</u> 13 14 <u>1</u> 15	PHYSICAL DESCRIPTION AGE IN YEARS (00) LESS THAN 1 YEAR (98) 98 YEARS OR OLDER (99) UNKNOWN AGE IN MONTHS (00) LESS THAN 1 MONTH (25) 25 MONTHS OR OLDER (99) UNKNOWN MASS (kg) (999) UNKNOWN HEIGHT (cm) (999) UNKNOWN SEX (1) MALE (2) FEMALE (9) UNKNOWN	<u>28</u> 20 21 <u>25</u> 22 23 <u>054</u> 24 25 26 <u>160</u> 27 28 29 <u>2</u> 30
OCCUPANT POSITION ROW LOCATION (1) FRONT (2) SECOND (3) THIRD (4) FOURTH (7) OTHER: _____ (8) EXTERNAL TO PASSENGER COMPARTMENT (E.G. BED OF PICKUP) (9) UNKNOWN LATERAL LOCATION (1) LEFT (2) LEFT CENTER (3) CENTER (4) RIGHT CENTER (5) RIGHT (6) ALL (LYING ON SEAT) (8) EXTERNAL TO PASSENGER COMPARTMENT (9) UNKNOWN POSTURE (10) SITTING ON SEAT (11) SITTING ON SEAT IN ABNORMAL POSITION (E.G. FEET ON DASH, SIDEWAYS) (12) SITTING ON CONSOLE (20) ON LAP OR IN ARMS (30) STANDING ON SEAT (40) STANDING ON FLOOR (47) STANDING, EXTERNAL TO PASSENGER COMPARTMENT (50) IN BASSINET (60) IN CHILD SEAT (65) IN CHILD HARNESS (70) LYING ON SEAT (80) LYING/SITTING ON PASSENGER FLOOR (83) LYING/SITTING ON OTHER OBJECT IN PASSENGER COMPARTMENT: _____ (85) ON CARGO FLOOR/FOLDED SEAT-BACK (87) LYING/SITTING, EXTERNAL TO PASSENGER COMPARTMENT (97) OTHER: _____ (99) UNKNOWN	<u>1</u> 16 <u>1</u> 17 <u>10</u> 18 19	MEDICAL CONDITIONS TREATMENT/MORTALITY (00) NONE (01) FIRST AID AT SCENE (02) TREATED AT HOSPITAL/CLINIC BUT NOT ADMITTED (03) HOSPITALIZED FOR OBSERVATION LESS THAN 24 HOURS (04) HOSPITALIZED OVER 24 HOURS OR FOR SIGNIFICANT TREATMENT (05) FATAL, DEAD AT SCENE (06) FATAL, DOA (07) FATAL, DEAD WITHIN 24 HOURS (08) FATAL, DEAD 24 HOURS TO 31 DAYS LATER (09) FATAL, DEAD 31 DAYS TO 1 YEAR LATER (10) FATAL DEAD WITHIN UNKNOWN PERIOD (99) UNKNOWN INJURY SEVERITY SCORE (ISS) (99) UNKNOWN NON-IMPACT MED. CONDITIONS (0) NONE (1) YES, TIME & TYPE UNKNOWN (2) PRE-CRASH FATAL (CLINICAL DEATH AT WHEEL) (3) PRE-CRASH NON-FATAL (E.G. PRIOR INJURY, STROKE) (4) PREGNANT (5) POST-CRASH FATAL (DROWNING) (6) POST-CRASH NON-FATAL INJURY (7) OTHER: _____ (8) COMBINATION OF ABOVE (CIRCLE EACH) (9) UNKNOWN	<u>04</u> 31 32 <u>17</u> 33 34 <u>0</u> 35

OCCUPANT INFORMATION OC-2

MEDICAL CONDITIONS (CONT.)

POLICE INJURY SEVERITY CODE FOR THIS OCCUPANT

- (0) O - NO INJURY
- (1) C - POSSIBLE INJURY
- (2) B - NON-INCAPACITATING
- (3) A - INCAPACITATING INJURY
- (4) K - FATAL
- (5) INJURED, SEVERITY UNKNOWN
- (6) DIED PRIOR TO IMPACT
- (7) NON-FATAL INJURY, SEVERITY UNKNOWN
- (9) UNKNOWN

2
36

CHILD SEAT TYPE

- (00) NONE USED
- (01) YES, USED
- (02) INTEGRAL, Chrysler Mini-van
- (88) NOT APPLICABLE (ADULT OR OLDER CHILD)
- (99) UNKNOWN

88
41 42

CHILD SEAT MAKE/MODEL

RESTRAINT SYSTEM

ACTIVE RESTRAINT SYSTEM

- (0) NONE
- (1) LAP BELT
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT & SHOULDER HARNESS
- (9) UNKNOWN

3
37

ACTIVE RESTRAINT SYSTEM USAGE

- (0) NONE (AVAILABLE BUT NOT USED)
- (1) LAP BELT ONLY
- (2) SHOULDER HARNESS ONLY
- (3) BOTH LAP BELT & SHOULDER HARNESS
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NONE AVAILABLE)
- (9) UNKNOWN

0
38

PASSIVE RESTRAINT SYSTEM

- (0) NONE
- (1) AIRBAG INSTALLED
- (2) PASSIVE UPPER TORSO WITH KNEE BOLSTERS
- (3) PASSIVE UPPER TORSO WITHOUT KNEE BOLSTERS
- (4) PASSIVE LAP & UPPER TORSO
- (5) AIRBAG INSTALLED & PASSIVE RESTRAINT
- (7) OTHER: _____
- (9) UNKNOWN

1
39

PASSIVE RESTRAINT SYSTEM USAGE

- (0) SYSTEM DEFEATED
- (1) AIRBAG NOT DEPLOYED
- (2) AIRBAG DEPLOYED
- (3) AIRBAG NOT REINSTALLED
- (4) PASSIVE UPPER TORSO USED
- (5) PASSIVE LAP & UPPER TORSO USED
- (6) SYSTEM USED IN MANUAL MODE
- (7) IMPROPER USAGE
- (8) NOT APPLICABLE (NOT ORIGINALLY EQUIPPED)
- (9) UNKNOWN

2
40

EJECTION

DEGREE OF EJECTION

- (0) NONE
- (1) PARTIAL
- (2) COMPLETE
- (7) EJECTED, DEGREE UNKNOWN
- (9) UNKNOWN IF EJECTED

0
43

AREA OF EJECTION

- (01) WINDOW, LEFT SIDE
- (02) WINDOW, RIGHT SIDE
- (03) WINDOW, REAR
- (04) DOOR, LEFT SIDE
- (05) DOOR, RIGHT SIDE
- (06) DOOR, REAR OR TAILGATE
- (07) WINDSHIELD
- (08) ROOF OR OPEN CONVERTIBLE OR FROM EXTERNAL AREA
- (96) EJECTED AREA UNKNOWN
- (97) OTHER AREA: _____
- (98) NOT APPLICABLE (NOT EJECTED)
- (99) UNKNOWN IF EJECTED

98
44 45

IF OCCUPANT WAS EJECTED, DESCRIBE IN DETAIL BELOW:

HEAD RESTRAINT

HEAD RESTRAINT AVAILABLE FOR THIS POSITION

- (0) NOT EQUIPPED OR REMOVED
- (1) EQUIPPED
- (9) UNKNOWN

1
46

OCCUPANT INFORMATION OC-3

<p>OCCUPANT EYEWEAR</p> <p>(0) NONE (1) GLASSES (2) CONTACTS (3) BOTH GLASSES AND CONTACTS (4) OTHER _____ (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>2</u> 47</p>	<p>SOURCE OF INFORMATION</p> <p>(0) INTERVIEW (1) HOSPITAL (2) AUTOPSY (3) POLICE (4) OTHER _____ (5) LAY CORONER/EXTERNAL EXAM (7) COMBINATION OF ABOVE (CIRCLE) (8) NOT APPLICABLE (9) UNKNOWN</p>	<p><u>7</u> 48</p>
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BEST AVAILABLE

OCCUPANT INFORMATION OC-4

INDICATE LOCATION OF INJURIES.

Subdural hematoma,
2x1 cm along left posterior
edge of petrous bone
and tentorium, loss of
consciousness
(amnesic of events) (4)

Contusion, right
cheek (1)

Chin abrasion
(1)

Laceration, left
scalp (1)

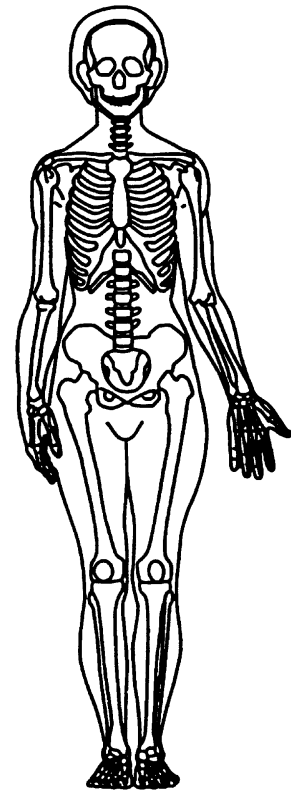
Contusion, left
elbow (1)

Abrasion, left
forearm (1)

Contusion and
laceration, right
medial knee (1)

Contusion, right
proximal shin (1)

Contusion, left
knee (1)



Duplicate columns 1-8 from the previous card. Module 1 C Format 0 1
9 10 11 12

INJURY CLASSIFICATION IC-1

NOTE: Each line in the table below is a separate record (card).
Duplicate columns 1 - 12 for each completed line.

OCCUPANT INJURY CLASSIFICATION

					PRIMARY OIC					ASSOCIATED OIC					COMMENTS
OCCUPANT NUMBER	INJURY NUMBER	PLACE CONTACTS IN ORDER OF PROBABILITY (HORIZONTALLY). START WITH MOST PROBABLE IN 1ST CONTACT AREA COLUMN.		AREA(S) OF POSSIBLE CONTACT 1ST 2ND	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	BODY REGION 1	ASPECT 2	LESION 3	SYSTEM/ORGAN 4	SEVERITY 5	
		17-18	19-20												
13-14	15-16	17-18	19-20	COMMENTS	21	22	23	24	25	26	27	28	29	30	
01	01	14	--		H	L	U	B	4	--	--	--	--	--	
	02	14	--		H	W	K	B	2	--	--	--	--	--	
	03	14	--		H	L	L	I	1	--	--	--	--	--	
	04	87	--		F	R	C	I	1	--	--	--	--	--	
	05	87	--		F	I	A	I	1	--	--	--	--	--	
	06	20	--		E	L	C	I	1	--	--	--	--	--	
	07	20	--		R	L	A	I	1	--	--	--	--	--	
	08	66	--		K	R	C	I	1	--	--	--	--	--	
	09	66	--		K	R	L	I	1	--	--	--	--	--	
	10	48	--		K	L	C	I	1	--	--	--	--	--	
	11	48	--		L	R	C	I	1	--	--	--	--	--	
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NOTE: USE ADDITIONAL PAGES IF NECESSARY.

INJURY CLASSIFICATION IC-2

CODES FOR AREAS OF POSSIBLE OCCUPANT CONTACT

FRONT OF PASSENGER COMPARTMENT

- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (12) WINDSHIELD
- (05) INSTRUMENT PANEL (*SPECIFIC AREA UNKNOWN*)
- (54) UPPER INSTRUMENT PANEL (*X*)
- (55) MIDDLE INSTRUMENT PANEL (*Y*)
- (56) LOWER INSTRUMENT PANEL (*Z*)
- (81) ASH TRAY (*INSTRUMENT PANEL*)
- (02) GLOVE COMPARTMENT AREA
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (57) BENEATH INSTRUMENT PANEL
- (53) PARCEL TRAY
- (48) KNEE RESTRAINT
- (86) VERTICAL CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (09) STEERING ASSEMBLY (*SPECIFIC AREA UNKNOWN*)
- (65) STEERING WHEEL
- (66) STEERING WHEEL COLUMN
- (59) TRANSMISSION LEVER ON COLUMN
- (03) HARDWARE ITEM (*SPECIFIC AREA UNKNOWN*)
- (82) INSTRUMENT(S)
- (83) CONTROL KNOB(S) & LEVER(S) (*FRONT*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (67) IGNITION KEY
- (06) MIRROR
- (04) HEATER OR AIR CONDITIONING DUCTS
- (01) AIR CONDITIONING OR VENTILATION OUTLET(S)
- (08) RADIO (*BUILT IN*)
- (58) ADD-ON TAPE DECK, RADIO, A/C
- (68) ROOF MOUNTED CONTROLS/CONSOLES

REAR

- (88) SURFACE OF REAR INTERIOR
- (23) REAR WINDOW
- (39) REAR WINDOW HEADER
- (50) REAR SEAT CUSHION & BACK

INTERIOR-GENERAL

- (11) TRANSMISSION SELECTION LEVER (*LOCATION UNK.*)
- (59) TRANSMISSION LEVER ON STEERING COLUMN
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (07) PARKING BRAKE HANDLE (*LOCATION UNKNOWN*)
- (84) PARKING BRAKE HANDLE IN FRONT
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (29) FRONT SEAT-BACK(S)
- (51) FRONT SEAT CUSHION
- (50) REAR SEAT CUSHION & BACK
- (49) ARMREST ON SEAT
- (89) UNDER SEAT BOTTOM
- (33) RESTRAINT SYSTEM HARDWARE
- (34) RESTRAINT SYSTEM WEBBING
- (87) AIR CUSHION SKIN (*AIRBAG*)
- (47) AIRBAG (*ACRS*) COMPARTMENT DOOR/COVER
- (46) AIRBAG GAS
- (48) KNEE RESTRAINT
- (30) HEAD RESTRAINT
- (42) CHILD SEAT RESTRAINTS
- (43) CHILD SEAT
- (31) INTERIOR LOOSE OBJECT
- (32) OTHER OCCUPANT(S)
- (52) INTERNAL FLYING GLASS (*FROM ANY SOURCE*)
- (41) UNKNOWN INTERIOR SURFACE

SIDES

- (20) SURFACE OF SIDE INTERIOR
- (19) HARDWARE ON SIDE OR DOOR
- (13) ARMREST ON SIDE OR DOOR
- (24) COAT HOOK

- (22) WINDOW GLASS (*SIDE*)
- (21) WINDOW FRAMES (*SIDE*)

- (26) ROOF SIDE RAIL
- (14) A-PILLAR
- (15) B-PILLAR
- (16) C-PILLAR
- (17) D-PILLAR

FLOOR

- (40) FLOOR
- (27) CONSOLE ON FLOOR OR BETWEEN SEATS
- (44) TRANSMISSION LEVER ON FLOOR OR CONSOLE
- (85) PARKING BRAKE HANDLE ON FLOOR OR CONSOLE
- (28) FOOT CONTROLS (*INCL. PARKING BRAKE PEDAL*)
- (91) KICKPANEL

ROOF

- (25) ROOF OR CONVERTIBLE TOP
- (10) SUNVISOR, FITTING(S) &/OR TOP MOLDING
- (26) ROOF SIDE RAIL
- (24) COAT HOOK
- (18) DOME LIGHT
- (39) BACKLIGHT HEADER
- (68) ROOF MOUNTED CONTROLS/CONSOLE
- (69) ROLL BAR

EXTERIOR SURFACE OF CASE VEHICLE

- (37) OUTSIDE SURFACE OF CASE VEHICLE (*SPECIFIC AREA UNKNOWN*)
- (35) HOOD OF CASE VEHICLE
- (60) EXTERIOR OF CASE VEHICLE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (62) EXTERIOR SIDE ROOF RAIL OF CASE VEHICLE
- (63) TRUNK LID OF CASE VEHICLE
- (64) TIRES OF CASE VEHICLE

BEYOND CASE VEHICLE BOUNDARY

- (36) AREA EXTERIOR TO CAR (*SPECIFIC AREA UNK.*)
- (70) HOOD OF OTHER VEHICLE
- (71) OTHER VEHICLE EXTERIOR HARDWARE (*E.G. OUTSIDE MIRRORS, ANTENNA, TRIM*)
- (73) EXTERIOR SIDE ROOF RAIL OF OTHER VEHICLE
- (74) HEADLIGHT OR FRONT GRILL OF OTHER VEH.
- (75) TRUNK OF OTHER VEHICLE
- (76) OUTSIDE SURFACE OF OTHER VEHICLE
- (77) TIRES OF OTHER VEHICLE
- (78) GROUND
- (79) WATER
- (80) EXTERIOR OBJECT (*NOT VEHICLE, GROUND, OR WATER. PLEASE DESCRIBE.*)

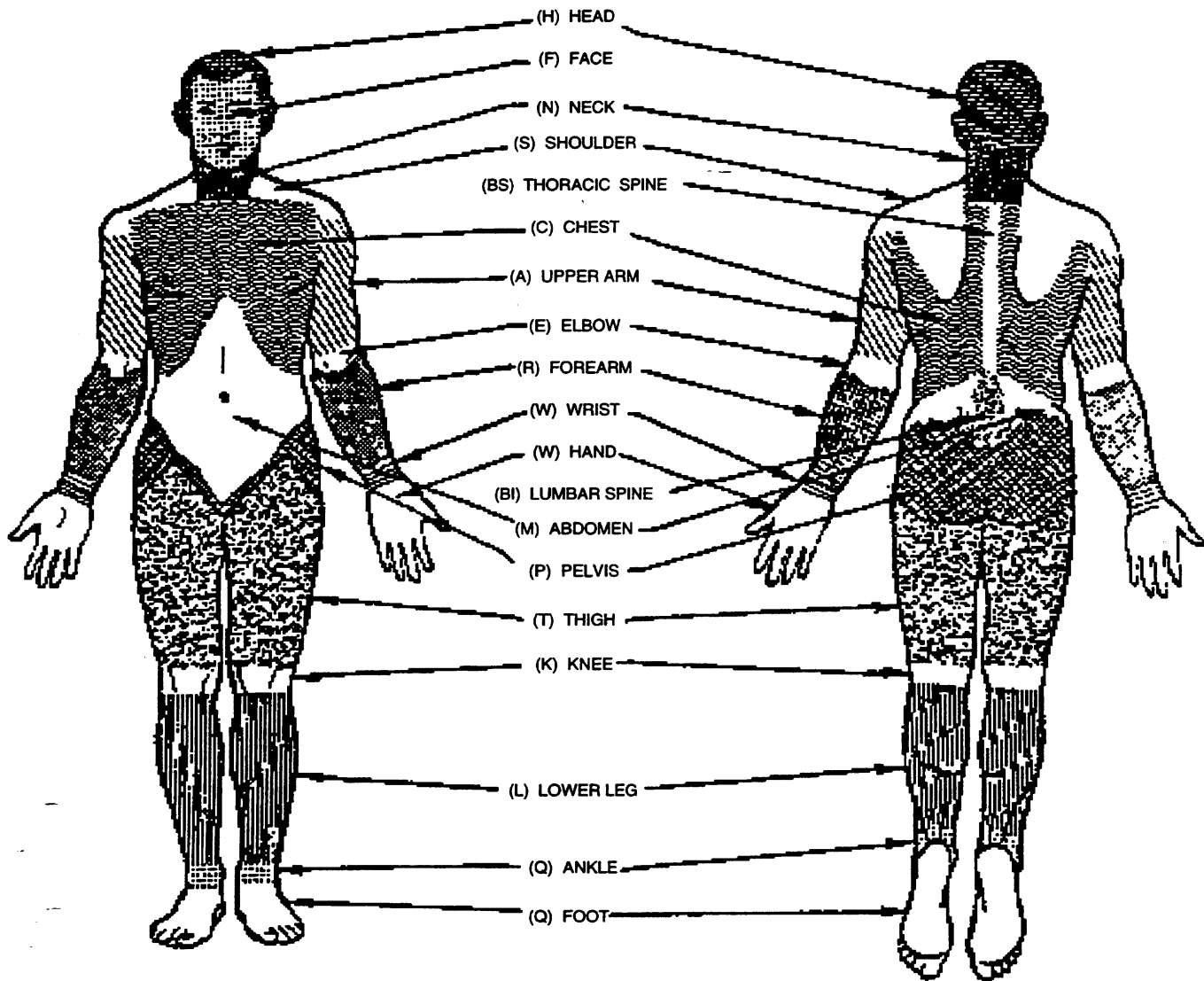
PENETRATING OBJECTS

- (61) OTHER VEHICLE
- (72) OBJECTS (*DESCRIBE*)

MISCELLANEOUS

- (00) NO CONTACT (*INVALID FIELD FORM CODE*)
- (38) OTHER (*E.G. FIRE. DESCRIBE*)
- (90) SPARE TIRE
- (96) INDUCED
- (97) EJECTED, UNKNOWN CONTACT
- (98) IMPACT FORCE, "WHIPLASH", HYPEREXTENSION/COMPRESSION
- (99) UNKNOWN AREA OF CONTACT

THE FIGURE BELOW
IS AN EXPLANATION OF THE BODY REGION CODES
LISTED ON PAGE IC - 4.



INJURY CLASSIFICATION IC-4

CODES FOR OCCUPANT INJURY CLASSIFICATION (OIC)

1 BODY REGION

(H) HEAD/SKULL
 (F) FACE
 (N) NECK
 (S) SHOULDER
 (X) UPPER EXTREMITIES
 (A) ARM (*UPPER*)
 (E) ELBOW
 (R) FOREARM
 (W) WRIST/HAND
 (C) CHEST
 (M) ABDOMEN
 (B) BACK
 (P) PELVIC/HIP
 (Y) LOWER EXTREMITIES
 (T) THIGH
 (K) KNEE
 (L) LEG (*LOWER*)
 (Q) ANKLE/FOOT
 (O) WHOLE BODY
 (U) UNKNOWN

3 LESION

(L) LACERATION
 (C) CONTUSION
 (A) ABRASION
 (F) FRACTURE
 (P) PERFORATION, PUNCTURE
 (K) CONCUSSION
 (V) AVULSION
 (R) RUPTURE
 (S) SPRAIN
 (D) DISLOCATION
 (N) CRUSH
 (M) AMPUTATION
 (B) BURN
 (G) DETACHMENT, SEPARATION
 (Z) FRACTURE AND DISLOCATION
 (T) STRAIN
 (E) TOTAL SEVERANCE, TRANSECTION
 (O) OTHER
 (U) UNKNOWN

4 SYSTEM/ORGAN

(S) SKELETAL
 (V) VERTEBRAE
 (J) JOINTS
 (D) DIGESTIVE
 (L) LIVER
 (N) NERVOUS SYSTEM
 (B) BRAIN
 (C) SPINAL CORD
 (E) EARS
 (O) EYES
 (A) ARTERIES
 (H) HEART
 (Q) SPLEEN
 (G) UROGENITAL
 (K) KIDNEYS
 (R) RESPIRATORY
 (P) PULMONARY/LUNGS
 (M) MUSCLES
 (T) THYROID, OTHER ENDOCRINE GLAND
 (I) INTEGUMENTARY (*SKIN*)
 (W) ALL SYSTEMS IN REGION
 (U) UNKNOWN

2 ASPECT

(R) RIGHT
 (L) LEFT
 (B) BILATERAL
 (C) CENTRAL
 (A) ANTERIOR/FRONT
 (P) POSTERIOR/BACK
 (S) SUPERIOR/UPPER
 (I) INFERIOR/LOWER
 (W) WHOLE REGION
 (U) UNKNOWN

BODY REGION	ASPECT	LESION	SYSTEM/ORGAN	SEVERITY
1	2	3	4	5

5 SEVERITY
(OR "AIS", ABBREVIATED INJURY SCALE)

(0) NONE
 (1) MINOR
 (2) MODERATE
 (3) SERIOUS
 (4) SEVERE
 (5) CRITICAL
 (6) MAXIMUM
 (9) UNKNOWN

Case No. 20600

Case No. (City): 1444 Ford

Type: Escort, 3-Door Coupe

Owner: 26 years old female

YrMo: 05/ 1988 Pkgs: 1988 Mustang

Light Conditions: Daylight

Weather: Clear

Road Surface: Dry

Road Construction: Asphalt



PN 20600 #1



PN 20600 #2



PN 20600 #3



PN 20800 #4



PN 20800 #5



PN 20600 #6



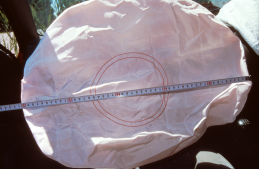
PN 20600 #7



PN 20600 #8



PN 20600 #9



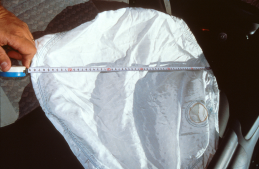
PN 20600 #10
Best Available



PN 20600 #11



PN 20600 #12
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PN 20600 #13



PN 20600 #14
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PN 20600 #15



PN 20600 #16



PN 20600 #17
Best Available



PN 20600 #18
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PN 20600 #19



PN 20600 #20
Best Available



PN 20600 #21
Best Available



PN 20600 #22



PN 20600 #23



PN 20800 #24



PN 20800 #25



PN 20600 #26



PN 20600 #27



PN 20600 #28



PN 20600 #29



PN 20600 #30



PN 20600 #31



PN 20600 #32



PN 20600 #33



PN 20600 #34



PN 20800 #35



PN 20800 #36



PN 20600 #37



PN 20800 #38



PN 20600 #39

CASE NO: 20600

CASE VEHICLE: 1986 Ford

TYPE: Equestrian, Subject equestrian

OCCUPANT: Driver, 28-year-old female

STATUS: not on, 15 ft, 140 lb MASS: 54 kg (118 lb)

RESTRAINTS: 3-point belt not worn, airbag deployed

SEVERITY: MAIS - 4 ISS - 17

Skull facial lacerations,
1) very strong self-protection
signs of protective helmet
and equipment, none of
characteristics
Lacerations of forehead (1)

Contusion, right
cheek (1)

Abrasions, chin
(1)

Lacerations, left
wrist (1)

Contusions, left
elbow (1)

Abrasions, left
wrist (1)

Contusions and
abrasions, right
shoulder (1)

Contusion, right
proximal arm (1)

Contusion, left
knee (1)

